

Mitali Gupta

Contact Number : + 91 9519274242

LinkedIn : <https://www.linkedin.com/in/gupta-mitali/>

GitHub : <https://github.com/MiitaliGupta>

Behance : <https://www.behance.net/gupta-mitali>

E-mail : miitali.gupta@gmail.com

Summary

As a software engineer with hands-on experience in full-stack development, I have successfully led and collaborated on diverse projects that bridge innovative technology with practical application. My solid foundation in computer science and deep expertise in SaaS environments have driven me to continuously enhance my skills and contribute to high-impact software solutions. With a passion for research and a commitment to advancing the field of software development, I am now seeking to further my education through a Master's degree. My goal is to explore cutting-edge research opportunities, solve complex challenges, and make meaningful contributions to the academic and professional communities.

Education

• **Bachelor of Computer Applications (Fast-Track) | CHRIST University, Bangalore | Jul'23**

9.69 CGPA

• **XII ISC | Carmel School, Gorakhpur | Apr'20**

93.70%

• **X ICSE | Carmel School, Gorakhpur | Mar'18**

92.80%

Experience

• **Software Engineer | Nsoft (India) Pvt Ltd | May'24 - Present**

- Leading the development of the Purchase Procurement Module for GESCOM, from frontend to database, while collaborating closely with the team.

- Redesigning and enhancing of the user interface and user experience for the Bengal Gas Company Limited (BGCL) customer portal, collaborating closely with team members to ensure a cohesive and user-friendly design.

- Developed a few full-stack modules, from frontend to database, for the prototype of the new Total Revenue Management System (TRMS), while collaborating with cross-functional development and testing teams.

• **Junior Software Engineer | Idea Elan | May'23 – Apr'24**

- Improved backend performance and functionality by developing efficient REST APIs and optimizing SQL and NoSQL databases.

- Successfully built and integrated new features with thorough unit testing to ensure code quality and reliability and debugged critical bugs, resulting in a 15% increase in user engagement and reduced system downtime by 20%, respectively.

- Developed and modified SQL Procedures for dynamic data Reporting, including financial, usage and analytics Reports, in collaboration with cross-functional teams, including UI and QA, in an Agile environment to deliver high-quality software solutions on time.

- Enhanced API Response efficiency using .NET Core, Managed Scheduled tasks for managing users & invoice processing, and ensured robust endpoint functionality in stage/production; contributed to API

Documentation for notable clients like McGill, McMaster, Danforth, UCL, UNH, GTU, Regeneron & KFUPM

- **SDE Intern | Idea Elan | Jan'23 - Apr'23**

- Successfully migrated features from the legacy product, *Infinity*, to a state-of-the-art product, *Infinity X*, resulting in enhanced user experience and improved system stability.

- Acquired expertise in .NET Core, C#, MSSQL, and Cosmos DB, facilitating seamless project implementation and reducing development time by 25%.

- Implemented essential features that streamlined operations, leading to a 30% reduction in administrative overhead and improved research efficiency.

- **WordPress Developer Intern | Suventure | Jul'21 - Aug'21**

- Collaborated with a team to design visually appealing frontends for various websites using WordPress and Elementor, which led to an increase of 40% in website traffic and user engagement.

- **Digital Marketing Intern | International Model United Nation | Jun'21 - Jul'21**

- Executed data-driven marketing campaigns, leading to a 25% growth in social media followers and a 15% increase in website traffic.

- Successfully promoted the organization's presence across various social media platforms, resulting in a 20% rise in brand awareness and engagement.

- Analysed campaign results to drive engagement and brand awareness.

Technical Skills

- **Programming/ Scripting Languages:** Java, C#, C, Python, HTML, XML, CSS, JavaScript, PHP

- **Database:** MSSQL, MySQL, Cosmos DB, Firebase, Redis

- **Tools and Frameworks:** .Net, .Net Core, ADO.Net, Bootstrap, Git

- **Cloud Solutions:** Azure, AWS

Soft Skills

Responsible, Effective Communication, Leadership, Time Management, Problem Solving, Teamwork, Decision Making, Adaptability, Time Management, Teamwork

Projects

- **Petlet | Mobile Application (Aug'22 – Dec'22)**

- Developed Petlet, a user-friendly mobile app, using Java and XML in Android Studio.

- Implemented efficient data storage and retrieval using Firebase, ensuring seamless access to pet information.

- Implemented secure authentication and authorization mechanisms to safeguard sensitive data and ensure data privacy.

- Overcame challenges in user interface design, enhancing user experience and simplifying information input.

- Continuously refined the app based on user feedback for optimal performance.

- **Accio | Mobile Application (Aug'22 – Dec'22)**

- Engineered Accio, a gamified Lost and Found app, using Java and Firebase in Android Studio.

- Implemented image recognition to facilitate item identification, showcasing problem-solving abilities.

- Ensured smooth integration of gamification elements, boosting user engagement.

- **Astronomical Prediction Model | Machine Learning (Jun'22)**

- Developed an ML-based model using KNN, Naive Bayes, K-Means, and Decision Tree algorithms to predict hazardous astronomical bodies.
- Fine-tuned model parameters and optimized accuracy, demonstrating problem-solving abilities.
- Utilized Python libraries (NumPy, Pandas, Seaborn) for data visualization and interpretation.
- Translated complex technical concepts into user-friendly explanations, showcasing communication and problem-solving skills.

• **Animal Alcove | Desktop Application (Jan'22 - April'22)**

- Developed Animal Alcove, a desktop application using C# in the .NET framework, for pet shop and adoption centre employees and customers.
- Implemented a user-friendly interface for easy navigation and information retrieval.
- Addressed data management challenges by integrating a MySQL database for efficient storage and retrieval of records.

• **Altruists | Database Management (Jan'22 - May'22)**

- Created Altruists, a multifunctional NGO management website, using HTML, CSS, and JavaScript for the frontend and PHP and MySQL for the backend.
- Designed and implemented database management features for seamless data storage and retrieval.
- Utilized APIs for payment gateway integration, chatbot functionality, and GPS services, showcasing versatility in handling diverse technologies.

• **Shycocan Corporation | Website Frontend (Jul'21)**

- Developed the frontend of the Shycocan Corporation website using Elementor (WordPress) during an internship at Suventure.
- Converted design mock-ups into fully functional web pages, showcasing problem-solving skills.
- Ensured responsiveness and cross-browser compatibility to optimize user experience on various devices.
- Collaborated with the Web Development team to resolve technical challenges and ensure timely website deployment.

Achievements

- "Best Debut Performer" award at Idea Elan, presented at the Idea Elan's Annual Fest 2023
- Shortlisted for the interview round of the Rhodes Scholarship, 2024
- Christites for Climate Action (CCA): Volunteer Appreciation
- Labyrinth: Certificate of Recognition
- Labyrinth: Futurama 3.0 National Conference Organizer Certificate

Courses and Certifications

- Infosys Springboard: Expert Programming in C# and .Net
- AWS Academy: Cloud Foundations
- AWS Academy: Machine Learning Foundation
- Infosys Springboard: Explore Machine Learning Using Python
- Infosys Springboard: Software Engineering and Agile Software Development
- Internshala: Ethical Hacking
- Swayam: German I

- Coursera: Duke University's Programming Fundamentals
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Positions of Leadership

• Student Coordinator, Labyrinth (Computer Science Club) (Aug'20 - Dec'22)

- Successfully organized and managed 30+ Conferences, Tech Talks, Workshops, and Competitions, attracting 1000+ participants from Intra-Department, Inter-Department, Intra-University, Inter-University, and National levels.
- Received accolades for seamless execution and high participant satisfaction, fostering a vibrant academic atmosphere.
- Collaborated with diverse teams to plan and execute events, resulting in high participant satisfaction and increased involvement.

• Student Coordinator, WRIT (Women in Research and IT) (Aug'21 - Dec'22)

- Pioneered the establishment of a thriving community for women in technology, leading to increased female participation in tech-related events and projects.
- Facilitated mentorship programs and networking opportunities, resulting in enhanced collaboration and empowerment within the community.
- Led the establishment of WRIT (Women in Research and IT), promoting gender diversity and inclusivity in technology events.

• Head Girl, Carmel School (Apr'19 – Mar'20)

- Elected as the head of the academic council, devising and implementing impactful rules and regulations that fostered a conducive learning environment.
 - Skillfully maintained discipline and promoted a positive student culture, leading to a significant reduction in disciplinary issues and fostering a sense of belonging among students.
 - Represented the student body effectively in school administration meetings, ensuring student voices were heard and incorporated into decision-making processes.
 - Led student initiatives as Head Girl, working closely with peers and faculty to implement impactful rules and regulations.
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Languages

- English (Full Professional Proficiency)
 - Hindi (Native/ Bilingual Proficiency)
 - German (Elementary Proficiency)
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Extracurricular Achievements and Community Involvement

• Volunteer for Christites for Climate Action (CCA)

- Led and actively participated in 15+ Plantation Drives, Cleaning Drives, and Plant Watering Drives across Bengaluru, contributing to the greening of the city and promoting environmental sustainability.

• City Champion in International English Olympiad (IEO)

- Achieved district-level victory in a prestigious competition, representing the school and showcasing exceptional skills and talents.

• Debate Club Member

- Secured top positions in 5+ debating tournaments held across Gorakhpur, demonstrating persuasive communication abilities and critical thinking skills.

• State Level Participation in Sporting Events

- Demonstrated exceptional sports leadership as Captain of both Kho-Kho and Throwball district teams.
- Represented Gorakhpur district in athletic events, 100-meter race, and 4 x 100-meter relays, showcasing physical prowess and teamwork.