Mitali Gupta

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Summary

Software Engineer with hands-on experience in full-stack development and production-grade SaaS solutions. Skilled in building scalable systems, optimizing databases, and collaborating within Agile teams to deliver high-impact software. Currently pursuing a Master's in Computer Science at UCD, strengthening expertise in advanced technologies and research-driven problem solving. Eager to apply technical proficiency, adaptability, and innovation to contribute to impactful software projects

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Education

• **MSc in Computer Science(NL) | University College Dublin(UCD), Ireland | Present**

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

   9.69 CGPA

• **XII (ISC) | Carmel School, India | Apr'20**

   93.70%

• **X (ICSE) | Carmel School, India | Mar'18**

   92.80%

Experience

• **Software Engineer | Nsoft (India) Pvt Ltd | India | May'24 - Jun'25**
  - Co-developed the **AMR/AMI prototype** for five state electricity boards, laying the foundation for large-scale deployment in automated meter reading and data management.
  - Led end-to-end development of **GESCOM's Purchase Procurement Module**, optimized HRMS workflows (income tax & TDS), and contributed to Power Purchase Module enhancements.
  - Redesigned and improved the **BGCL customer portal UI/UX**, ensuring a cohesive and user-friendly interface.
  - Built **full-stack modules** for the **Total Revenue Management System (TRMS) prototype**, collaborating with cross-functional dev and QA teams to ensure scalability and quality.

• **Junior Software Engineer | Idea Elan | USA(Remote) | May'23 – Apr'24**
  - Improved backend performance by developing efficient **REST APIs** and optimizing **SQL & NoSQL databases**.
  - Delivered new features with **thorough unit testing**, increasing user engagement by **15%** and reducing downtime by **20%**.
  - Built & optimized **SQL procedures** for financial, usage, and analytics reports; collaborated with **UI and QA teams** in an **Agile environment** to ensure timely, high-quality delivery.
  - Enhanced API response times in **.NET Core**, managed scheduled tasks (user management & invoice processing), and maintained robust stage/production endpoints; contributed to **API documentation** for clients such as **McGill, McMaster, UCL, UNH, and Regeneron**.

• **SDE Intern | Idea Elan | USA(Remote) | Jan'23 - Apr'23**
  - Migrated key features from the legacy product, Infinity, to Infinity X, enhancing user experience and system stability.
  - Leveraged .NET Core, C#, MSSQL, and Cosmos DB to implement features efficiently, reducing development time by 25%.
  - Developed features that streamlined operations, cutting administrative overhead by 30% and improving research efficiency.

• **WordPress Developer Intern | Suventure | India | 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 | India | 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, TypeScript JavaScript, PHP

• **Database:** MSSQL, PostgreSQL , 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

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Projects

• **Petlet | Mobile Application (Aug'22 – Dec'22)**
  - Built a pet management app with **Java**, **XML**, and **Firebase**
  - Designed secure login and data storage, ensuring privacy and seamless information access.
  - Enhanced UI/UX and optimized features through iterative improvements based on user feedback.

• **Accio | Mobile Application (Aug'22 – Dec'22)**
  - Engineered Accio, a gamified Lost and Found app, using **Java** and **Firebase** in **Android Studio.**
  - Integrated **image recognition** for item identification and gamification features to enhance engagement.

• **Astronomical Prediction Model | Machine Learning (Jun'22)**
  - Built an **ML model** using **KNN, Naive Bayes, K-Means, and Decision Trees** to predict hazardous bodies.
  - Optimized accuracy through parameter tuning and used **Python (NumPy, Pandas, Seaborn)** for visualization and insights.

• **Animal Alcove | Desktop Application (Jan'22 - April'22)**
  - Built a **C# .NET desktop app** for pet shop and adoption management with a **MySQL database** for efficient record handling.
  - Designed a user-friendly interface for seamless navigation and information access.

• **Altruists | Database Management (Jan'22 - May'22)**
  - Developed a multifunctional website with **HTML, CSS, JS (frontend)** and **PHP, MySQL (backend)**.
  - Implemented database management and integrated **APIs** for payments, chatbot, and GPS services.

• **Shycocan Corporation | Website Frontend (Jul'21)**
  - Built the website frontend using **Elementor (WordPress)**, converting mock-ups into functional, responsive pages.
  - Ensured cross-browser compatibility and collaborated with the dev team for smooth deployment.

Achievements

• "Best Debut Performer" award at Idea Elan, presented at the Idea Elan's Annual Fest 2023

• Labyrinth: Futurama 3.0 National Conference Organizer Recognition

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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

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)**
  - Led the academic council, implementing rules and initiatives that improved student culture and reduced disciplinary issues.
  - Represented the student body in administration meetings, ensuring student voices were heard in decision-making.
  - Initiated and executed student-led programs to enhance engagement and promote a positive learning environment.

Languages

• English (Full Professional Proficiency)

• Hindi (Native/ Bilingual Proficiency)

Extracurricular Achievements and Community Involvement

- **Volunteer, Christites for Climate Action (CCA):** Led and participated in 15+ plantation, cleaning, and plant-watering drives in Bengaluru, promoting environmental sustainability.**.**
- **Debate Club Member:** Secured top positions in 5+ debating tournaments, demonstrating persuasive communication and critical thinking.
- **State-Level Sports Participation:** Captained district Kho-Kho and Throwball teams; represented my state in 100m and 4x100m relay events, showcasing leadership and teamwork.