

Shreya Gupta

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An aspiring software engineer committed to delivering high-quality solutions and thriving in dynamic, collaborative environments. Passionate about continuous learning and contributing to impactful projects.

EDUCATION

National Institute of Technology, Durgapur

West Bengal, India

• *Bachelor of Technology – Computer Science & Engineering; GPA: 8.49*

Nov 2022 – Present

Courses: Discrete Mathematics, Design Logic Design, Object Oriented Programming, Design and Analysis of Algorithms, Theory of Computation, Computer Organization and Architecture, Data Structures and Algorithms, Operating Systems, Data Base Management System, Embedded System, Compiler Design, Advanced DBMS, Data Communication and Computer Network and Software Engineering.

EXPERIENCE

ACM Summer School Attendee – Compilers for AI/ML | [GitHub Link](#)
PCCoE, Pune | Sponsored by NVIDIA | June 2024

- Explored compiler fundamentals, LLVM, and DSL-to-C++ conversion for AI/ML programs.
- Gained hands-on experience in code optimization and visited NVIDIA to gain industry insights.

ACM Winter School Attendee – Algorithms for Big Data and ML
DA-IICT, Gandhinagar | December 2024

- Studied memory-efficient data structures, randomized algorithms, and graph algorithms.
- Applied techniques like sampling, sketching, and coresets in big data problems.

Encryptix Virtual Intern – C++ Programming | [GitHub Link](#) | July 2024

- Developed interactive applications (e.g., number guessing game, tic-tac-toe) using advanced C++ concepts.

SKILLS SUMMARY

Languages:	C/C++, Python, Java, Assembly language, SQL
• Web Development:	HTML, CSS, JS
• Tools:	GIT, MS Excel, Jupyter Notebook, VS Code, Canva
• Platforms:	Windows, IBM, Linux (Ubuntu), GitHub
• Soft Skills:	Leadership, Event Management, Content Writing, Public Speaking, Time Management
• Speaking Language:	Fluent in English, Hindi and Bengali

PROJECTS

Leo Voice Assistant | Python | [GitHub Link](#)

- Designed a Python-based voice assistant using libraries like pyttsx3, speech recognition, Wikipedia, webbrowser, os, and smtplib for advanced functionalities.
- Enabled voice commands for tasks such as Wikipedia search, website navigation, music playback, time updates, and email sending via SMTP.
- Improved user experience with personalized greeting, dynamic responses, and robust error handling for any commands and speech issues.

Personal Portfolio Website | HTML/CSS | [GitHub Link](#)

- Designed and developed a personal portfolio website to showcase my skills and projects.
- Implemented a clean and responsive design for optimal user experience across devices.
- Included sections for about me, projects, and contact information.
- Integrated smooth navigation for easy exploration of portfolio content.

ACHIEVEMENTS

- IBM Working in a Digital World: Professional Skills Badge
- IBM Information Technology Fundamentals Badge
- IBM Data Fundamentals Badge
- Geekster Certificate of Completion for Complete Git and GitHub Course
- Participated in Flipkart Runaway Season 4 organized by Flipkart.

VOLUNTEER EXPERIENCE

Entrepreneurship Development Cell (EDC), NIT Durgapur

West Bengal, India

• *Senior Coordinator*

Jan 23 - present

Conducted online and offline events [Hult Prize, Biz-Cup, E-Summit] & soft-skills training impacting over 3000 students.