

Joy Mondal

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Education

Vellore Institute of Technology-Bhopal, Bachelor of Technology CSE Sep 2022 – Sep 2026

- CGPA: 8.0/10
- **Coursework:** Ethical Hacking, Python Programming, Data Structures and Algorithms, Discrete Mathematics and Graph Theory, Calculus and Laplace Transforms, Fundamentals of AI and ML, Applied Linear Algebra, Differential and Difference Equations, Electric Circuits and Systems

Kendriya Vidyalaya Sangathan Apr 2010 – Apr 2022

- Percentage: 75.8% *12th Standard*
- Percentage: 84% *10th Standard*
- **Coursework:** Mathematics, Physics, Chemistry, Computer Science

Experience

Android App Developer Intern [CodSoft – Remote] Dec 2024 – Jan 2025

- Built and deployed two cross-platform mobile applications using Flutter, showcasing strong UI/UX design skills and robust state management.
- **NextUp (To-Do App):** Developed a task management app with comprehensive REST API integration for seamless data synchronization and persistent storage, resulting in a 30% reduction in data loss compared to in-house benchmarks.
- **Quotily (Quotes App):** Created a motivational quotes app using both local JSON and remote APIs. Integrated social sharing and smooth in-app navigation via Flutter's routing system.
- Practiced Agile methodologies and leveraged Git for version control and collaborative development.
- **Tech Stack:** Flutter, Dart, Android Studio, Visual Studio Code, REST APIs, JSON
- **Project Links:** NextUp (GitHub), Quotily (GitHub)

Projects

Online Task Management System Aug 2023

- Developed a full-stack task management platform enabling users and teams to create, manage, and track tasks efficiently.
- Implemented features including user authentication, task CRUD operations, categorization, due dates, priority tagging, and assignments.
- Enabled real-time collaboration using WebSockets, allowing simultaneous task updates across users.
- **Tech Stack:** HTML, CSS, JavaScript, Node.js, React.js, MongoDB

Patient Management System Mar 2024

- Built a full-stack patient management system that improved patient processing times by 20%.
- Implemented secure authentication and integrated SMS-based appointment reminders via Twilio API, reducing no-shows by 15%.
- Designed a scalable database schema for managing patient records and appointment logistics.
- **Tech Stack:** React.js, Node.js, Express, MongoDB, Firebase Auth, Twilio API, Git

Skills

Programming: Python, C++, Java, HTML, CSS, JavaScript, React.JS, Node.JS, Express.JS, Flutter

Tools and Technologies: Git, GitHub, VS-Code, AWS, Google Cloud, Android Studio, Heroku, Docker, Figma, Postman, Adobe Photoshop, Canva, LaTeX

Databases: MongoDB, MySQL, SQLite

Languages: English (professional), Hindi (native), Bengali (native)

Certifications

Google Cloud Arcade (Google Cloud)

Cryptography I (Coursera-Stanford Online)

The Bits and Bytes of Computer Networking (Coursera-Google)

Open Source Intelligence (Basel Institute on Governance)

Co-Curricular Activity

Defence Club VITB

Nov 2022 - Nov 2023

Non-Tech Lead

- Organized 7+ team-building activities, and 5 networking sessions leading to a 25% increase in student participation and fostering a more vibrant community.
- Lead social media campaigns, increasing event registration by 20% and reaching 1000+ users through promotions.

Cyber Warrior VITB

Sep 2023 - Apr 2024

Club Member

- Coordinated multiple technical events as an active member of the club, including planning, and execution.
- Contributed to the design and development of Capture The Flag (CTF) challenges for cybersecurity competitions and learning sessions.
- Assisted in creating engaging problem statements and managing event logistics to ensure participant engagement and smooth operations.

Microsoft Technical Club VITB

Nov 2023 - Aug 2024

Non-Tech Lead

- Organized and coordinated 10+ technical and non-technical events, including workshops, coding contests, and informal sessions.
- Played a key role in managing events during the university's annual fest, **AdvITYa**, ensuring smooth execution and high participation.
- Collaborated with team members for planning, logistics, and outreach, contributing to successful event turnout and engagement.