Asmit Kumar Roy

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EDUCATION

- **Guru Gobind Singh Indraprastha University** — Delhi, India
  B.Tech in Computer Science & Engineering; CGPA: 8.10 — *Nov. 2022 – July. 2026 (Expected)*

PROJECTS

- **Hashtag Technical Society Website (May 2025 – July 2025)**: Built a multi-page responsive web application with a Java-based API layer and React frontend. Integrated Sanity CMS for dynamic content management and Web3Forms for contact forms. Implemented a Spring Boot microservice to handle event submissions and secure data flow. Optimized frontend performance and SEO, achieving 95+ Lighthouse scores.
- **WeatherWise – Java IoT Weather Data Platform (Apr 2025 – May 2025)**: Developed backend Java services to ingest, process, and store real-time weather data from distributed Raspberry Pi sensors. Designed RESTful APIs for dashboard consumption and analytics. Implemented reliable data pipelines and storage with MySQL/MongoDB for scalable access and ML integration.
- **Open-source Contributions (Ongoing)**: Contributed to multiple GitHub repositories focusing on backend APIs, utility libraries, and deployment scripts. Maintained and documented code with unit tests and CI-friendly configurations.

ACHIEVEMENTS

- **Hackemon Hackathon – Top 20 Finalist (Apr 2025)**: Placed in the Top 20 out of 650+ teams. Designed and delivered an end-to-end prototype integrating backend services and real-time features within a 36-hour timeframe.
- Academic Performance: Maintained a CGPA of 8.10 while leading campus technical activities and delivering multiple production-grade projects.

LEADERSHIP & EXPERIENCE

- **HashTag – College Technical Society** — JIMS Engineering Management Technical Campus
  President (Oct 2024 – Oct 2025)
    - **Team Leadership**: Lead a 25-member technical team; planned and executed 20+ technical events, workshops, and hackathons with end-to-end responsibility (ideation, promotion, execution).
    - **Technical Systems**: Designed and managed Java-based judge dashboards, event submission portals, and automation tools used during competitions.
    - **Partnerships**: Established collaborations with 8+ industry professionals and 3 academic partners to run knowledge-sharing sessions and judged events.

SKILLS

- Programming Languages: Java, Python, JavaScript, SQL
- Backend: Spring Boot, REST APIs, JDBC, Servlets, WebSocket
- Frontend: HTML, CSS, JavaScript, React.js
- **Databases**: MySQL, MongoDB
- Tools & Platforms: Git, GitHub, IntelliJ IDEA, VS Code, Canva

ADDITIONAL HIGHLIGHTS

- **Open Source & Deployment**: Maintains 10+ GitHub repositories with frequent commits; experience deploying apps on cloud platforms and managing production-ready builds.
- **Core CS Knowledge**: Strong fundamentals in Data Structures & Algorithms, Object-Oriented Design, Multithreading, Exception Handling, and Collections framework.

HOBBIES

- **Interests**: Playing and watching badminton and cricket; reading technical and non-fiction books.