

# Aman Kumar

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## SUMMARY

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Sophomore Computer Science & Engineering student skilled in Software Development, Data Science, and Full-Stack Web Development. Experience in MERN stack, REST APIs, Power BI, and Cloud Deployment. 4× National Hackathon Winner, 7+ hackathon finalist, and 250+ problems solved on LeetCode, HackerRank, and Codeforces.

## EDUCATION

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**B.Tech in Computer Science & Engineering** 2024 – 2028

*University of Engineering and Management, Jaipur*

- **Modules:** Python, C, Data Structure and Algorithm, Solidity, Data Base and Management System
- **Dissertation:** Red Light Therapy Device, Khatabook for Students, FinSim (Fintech Simulation App)

**BSc. (Hons.) in Computer Science & Engineering** 2025 – 2029

*BITS Pilani*

- **Modules:** C, Java, Database and Management System, Object Oriented Programming Skills, C++
- **Dissertation:** Mental Health Crisis Prediction using AI & ML, AI-Powered Tool for Combating Misinformation

## WORK EXPERIENCE

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**Full Stack Web Developer Intern** August 2025 – September 2025

*GNCIPL*

*Noida, Uttar Pradesh*

- Engineered and deployed MERN stack web applications with secure RESTful APIs.
- Refactored backend queries and implemented caching, reducing page load time by 35% and improving user retention.
- Designed responsive front-end components, enhancing UX and achieving consistent cross-device performance.

## PROJECTS

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### FinSim - Fintech Simulation Platform

- Designed and developed FinSim, a fintech simulation platform featuring virtual debit cards, UPI payments, and ticket booking, enabling users to experience real-world digital transactions in a simulated environment.
- Built interactive dashboards for FinSim to display transaction history, UPI activity, ticket bookings, and portfolio growth using React and Chart.js, enabling real-time financial trend visualization.
- Integrated secure JWT-based authentication, user sessions, and role-based access control and deployed on cloud (Render/AWS) with auto-scaling capabilities, handling concurrent users without downtime.
- Collaborated with a small team using Git/GitHub for version control and implemented unit testing for critical components, ensuring 95% test coverage and reliability.

## EXTRACURRICULAR ACTIVITIES

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**1st Runner-Up:** RC Electric Car Racing & Robo Wars – Technoxian WRC 2024.

**Technical Sub-Head – Codesta Coding Club:** Organized 10+ events, growing participation by 80%.

**Organizer – ACEHACK 5.0 & HackUEM 4.0:** Organizer of Rajasthan's largest student-run hackathons.

**Core Member:** ACM UEMJ Student Chapter.

## LANGUAGES, SKILLS AND CERTIFICATES

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**Skills:** Java, C, Python, Data Structure and Algorithms, HTML, CSS, Solidity.

**Frameworks & Tools:** React, Node.js, Express.js, REST APIs, Git/GitHub, Power BI, Streamlit.

**Concepts:** DSA, OOPs, Machine Learning, Data Analytics, Agile Development, MySQL, MongoDB.

**Certifications:** Google Cloud Data Analytics, Goldman Sachs Software Engineering Job Simulation, AWS.

**Hackathons:** 4× National Hackathon Winner (IIIT Delhi Robify-IoT, IIT Delhi Innov8 2.0, IIT Guwahati Technothon, BITS Hyderabad TechXcelerate) and 7+ Finalist (J.P. Morgan Code for Good, IIT Bombay Crack the Code, etc.)