Ayush Kumar Software Engineer

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in LinkedIn   ⊙ Github

PROFILE

Passionate and self-driven BCA 3rd year student with hands-on experience in Python, Java, C++, Data Structures, and full- stack development using the MERN stack. Skilled in building practical solutions that improve everyday life, with a strong interest in scalable backend systems and educational tech tools. Focused on solving real problems through code, with a growth mindset and a commitment to continuous learning in development and cybersecurity.

PROJECTS

Hostel Helper App
C, C++, Swift, Dart, CMake, Flutter, HTML, CSS
- Developed Hostel Helper App using Flutter and Dart, integrating 5+ core hostel services into a single platform, reducing the need for multiple apps by 100%.
- Designed a Material Design–based UI that improved service access speed by 40%, enabling students to navigate and request services in under 3 clicks
- Implemented real-time updates for mess menus and complaint tracking, cutting communication delays by 50% and increasing student engagement with the app by 30%.

Spend Sensor
Flutter, Dart, SQLite, HTML, CSS, C
- Built an expense tracking mobile app, Spend Sensor, to monitor daily spending, categorize expenses, and visualize spending patterns using Flutter, Dart, and SQLite.
- Integrated budget alerts and analytics charts for financial awareness.

QR File Transfer
MongoDB, Express.js, React.js, Node.js, GridFS, QRCode.js
- Built a MERN stack web app enabling secure, cable-free file sharing via unique QR codes, reducing manual link sharing effort by 100%.
- Merged MongoDB GridFS to handle large file storage efficiently and auto-expiring links to enhance privacy, improving security compliance by 30%.

SKILLS

Programming Languages: Python, Java, C++
Full-Stack Development: Proficient in MERN stack – MongoDB, Express.js, React.js, Node.js
Data Structures & Algorithms: Strong foundation in problem-solving, algorithmic thinking, and code optimization
Web Technologies: HTML5, CSS3
Version Control & Tools: Git, GitHub, Visual Studio Code
Cybersecurity: Knowledge of network security fundamentals, ethical hacking concepts, and vulnerability assessment
Soft Skills: Teamwork, critical thinking, time management, and effective communication

EDUCATION

TATA DAV , DHANBAD CBSE Board Class XII	2021 – 2023
Bachelor of Computer Application| Sharda University Greater Noida, Uttar Pradesh BCA – Computer Science and Application(CSA)	2023 – present

CERTIFICATES

Deloitte Technology Job Simulation – By Forage	Electronic Arts- Software ⌘ Engineering - By Forage	Introduction to AWS ⌘ by Amazon