

Aryan Khandelwal

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SUMMARY

Final-year Computer Science undergraduate with specialization in Software Development and AI/ML systems. Proficient in Python, C++ with Data Structures & Algorithms, and SQL. Experienced in building production-ready full-stack and backend systems, including LLM-based applications, through internships and real-world projects. Published Researcher and Hackathon Winner

PROJECTS

Online Code Executor with Language Detection and AI-based Complexity Analysis | [Live](#) | [GitHub](#)

- Designed a full-stack Online Code Compiler supporting 4+ languages with automatic language detection.
- Implemented a code execution engine using Python's subprocess module, enabling input handling and execution.
- Integrated LLM-based time and space complexity analysis to evaluate user submitted code.

Seller Admin Product Management Dashboard | [Live](#) | [GitHub](#)

- Built a full-stack product management dashboard with MERN featuring OTP-based authentication and JWT session management.
- Implemented secure RESTful APIs for product CRUD operations, and real-time search functionality with role-based access control.
- Designed a responsive seller dashboard with product categorization, multi-image upload support, and deployment.

Store Review Platform | [GitHub](#)

- Built a full-stack store rating platform with role-based access control (Admin, Owner, User) using React.js, Express.js, and MySQL.
- Implemented REST APIs with features including real-time rating aggregation, and form validation on both client and server sides.
- Designed secure authentication system with protected routes, token-based sessions, and middleware for role authorization.

EXPERIENCE

Software Developer Intern at BlueStock Fintech | [LINK](#)

Feb 2025 - Mar 2025

- Developed responsive and reusable UI components using React.js for fintech dashboards, converting Figma designs into production-ready code.
- Integrated backend REST APIs and resolved bugs through debugging, maintaining version control standards using Git.

Software Developer Intern at Premier Measurement Solutions | [LINK](#)

Apr 2025 - May 2025

- Optimized 3 C++ MultiATE factory systems, supporting barcode programming and calibration workflow.
- Debugged and resolved cross-module integration issues related to NVRAM data handling, improving memory integrity, calibration status management, and overall system stability in 5+ production modules.

SKILLS

Languages: Python, C++, SQL, JavaScript

Core CS: Data Structures & Algorithms, Object-Oriented Programming (OOP), DBMS, OS (basic)

Backend & APIs: Node.js, Express.js, Django, Flask, FastAPI, REST APIs, API Integration

Databases: MongoDB, MySQL, PostgreSQL, SQLite, Supabase

Frontend: React.js, Next.js (basic), HTML, CSS

Tools: Git, GitHub, Postman, Vs Code, Vercel, Render, Power BI

PUBLICATIONS, CERTIFICATIONS & ACHIEVEMENTS

- Research paper** titled "The Role of Artificial Intelligence in Market Prediction, Customer Retention, and Churn Modeling," published as Chapter 25 in Next Generation Technologies for Sustainable Development, **Taylor & Francis Publication**.
- Achieved **5-star** in C++ and **4-star** rating in SQL on Hackerrank.
- Solved over 300 coding problems across competitive programming platforms.
- Secured **2nd** position among 99 teams in a hackathon by developing an AI-Powered Resume Suite project.
- Certification in Python Programming.
- Certification in DSA.

EDUCATION

B. Tech in Computer Science, NMIMS - CGPA: 8.67/10

2022-2026

Class XII (CBSE), Disha Delphi Public School - 85.80%

2022

Class X (CBSE), Disha Delphi Public School - 91.20%

2020