

AMAN AGARWAL

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Professional Summary

Software Engineering and Data-focused CSE student with hands-on experience in **full-stack development, APIs, databases, cloud computing, and analytical dashboards**. Skilled in Python, JavaScript, React, Node, SQL, and AWS. Passionate about building scalable systems, data-driven applications, and solving complex engineering problems.

Core Technical Skills

Languages: Python, Java, C++, SQL, JavaScript

Backend: Node.js, Django, Express.js, REST APIs

Frontend: React.js, HTML, CSS

Databases: MongoDB, SQL Server, MySQL

Cloud: AWS (Practitioner & SA), Oracle Cloud

Data/ML: Pandas, NumPy, Power BI, Tableau, PyTorch (basic)

Tools: Git/GitHub, CI/CD, Agile/Scrum

Experience

Operations Trainee

Dec 2024 – Jan 2025

M Cube Media Forum

Remote

- Improved platform engagement by **25%** through analytics-based workflow optimization.
- Reduced publishing delays by **30%** by streamlining content processes.
- Built dashboards that enhanced decision-making efficiency by **15%**.
- Collaborated across cross-functional teams to deliver features using agile sprints.

Projects

India AQI Analyzer — Real-Time Air Quality Dashboard | *Python, Streamlit, Pandas*

- Built a real-time dashboard analyzing AQI data for **4,400+ Indian cities**.
- Engineered a pipeline for **24h / 7-day / 30-day** pollutant trend analysis.
- Developed interactive visualizations for PM2.5, PM10, NO2, O3, SO2, CO.
- Designed modern UI with health recommendations and search-based insights.
- Live demo / Project link

FitHub — Virtual Gym Training Platform | *MERN Stack*

- Developed a full-stack fitness platform with workout plans and memberships.
- Implemented **JWT authentication**, scalable REST APIs, and modular UI components.
- Deployed frontend and backend using Render and integrated MongoDB Atlas.
- GitHub repository

Certifications

- AWS Cloud Practitioner
- AWS Solution Architect
- Oracle Analytics Cloud
- Oracle OCI Data Science
- Salesforce Developer Program

Education

Vellore Institute of Technology, Bhopal

2022 – Present

B.Tech in Computer Science Engineering (E-Commerce Technology) | CGPA: 8.60

Bhopal, MP

Modern Public School, Jhansi

June 2021 – April 2022

12th (CBSE) | 88.40%

Jhansi, UP

Modern School, Jhansi

June 2019 – April 2020

10th (CISCE) | 90.80%

Jhansi, UP