


# AMAN AGARWAL

📍 Jhansi, Uttar Pradesh 📞 (+91) 9415170178 ✉ amanag0309@gmail.com 🔗 [linkedin.com/in/aman-agarwal0309](https://www.linkedin.com/in/aman-agarwal0309)  [github.com/amanag0309](https://github.com/amanag0309)

## 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*