Madhav Gupta

Phone Number | *Email* | *[LinkedIn](#)* | *[GitHub](#)* | *Portfolio*

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SUMMARY:

Final-year Computer Science engineering student with hands-on experience in deploying cloud-native applications using AWS and Docker, version control with Git, and CI/CD practices through GitHub Actions. Eager to contribute to infrastructure automation, system reliability, and secure deployment workflows. Passionate about DevOps, scripting, and learning tools like Terraform, Jenkins, and Kubernetes in fast-paced, high-impact environments.

TECHNICAL SKILLS:

- Programming Languages: Python, SQL, PL/SQL, JavaScript
- Frameworks & Libraries: Django, Django REST Framework
- APIs & Tools: REST APIs, Postman, Git, GitHub, VS Code
- Databases: PostgreSQL, MySQL, Redis
- Cloud & DevOps: AWS (EC2, S3, SNS, SES, RDS, ELB), CI/CD, Docker, GitHub Actions

EDUCATION:

NMIMS, Mumbai | BTech in Computer Science | Aug 2022 – July 2026

    CGPA: 3.60/4.00

Raghuwansh Public School | CBSE (XII) | 2022

    Percentage: 92.8

Raghuwansh Public School | CBSE (X) | 2020

    Percentage: 91.5

PROJECTS:

Doctor's Directory – Cloud-Native Healthcare Platform | *Django, DRF, AWS, WebSockets, Redis, WebRTC* | [GitHub] | [Live Demo]

Engineered a scalable, secure platform with cloud integrations, streamlining patient-doctor interaction.

- Integrated **JWT-based authentication** with both **OTP-first login (SMS via AWS SNS, Email via SMTP)** and **Google OAuth2 Sign-In**
- Enabled **appointment booking**, **calendar viewing**, and **availability management** for doctors
- Built **real-time chat** (WebSockets & Redis) and **secure video consultations** using WebRTC
- Structured for **deployment on AWS (EC2, S3, RDS)** with **media storage offloaded to S3**

Universal Job Portal | *Django, Django REST Framework (DRF), React.js, PostgreSQL* | [GitHub]

Developed an inclusive hiring platform using **Django, DRF, React, and PostgreSQL** to serve all job types - from daily wage labor to corporate roles and freelance.

- Empowered workers with **quick search** by location, pay range, and job type (onsite/remote)
- Enabled employers to post jobs in <30 seconds with **smart templates** and category tagging
- **SMS alerts** for laborers without smartphones

AI Student Agent - Autonomous Learning Assistant | *Python, OpenAI API (GPT-3.5/4), Streamlit, Vector* | [GitHub]

Developed an AI-powered virtual student that can independently complete coursework and academic tasks

- Built using **Python with LLM integration (GPT-3.5/4)** to simulate human-like learning behaviors
- Designed **memory system** to track learning progress and adapt study strategies
- Created interactive web interface using **Streamlit** for **real-time monitori**ng of agent activities
- Developed **evaluation framework** to measure academic performance against human benchmarks

EXPERIENCE:

Backend Developer Intern - Uraan SoftSkill Pvt Ltd | **May 2025 – July 2025**

- Built apps with **Django, DRF, MongoDB**, and **REST APIs**, tested via **Postman**.
- Deployed cloud solutions on **AWS** (EC2/S3) using **Docker** for containerization.
- Collaborated via **Git** for version control in **Agile workflows.**

Software Development Engineer Intern - Bluestock Fintech | **Jan 2025 – Mar 2025**

- Owned end-to-end modules with full responsibility from API design to deployment
- Practiced Agile development and collaborated through **GitHub**, improving communication and delivery cycles
- Integrated **Swagger** for interactive API documentation and collaborated using **JIRA** for sprint planning