Harshit Gupta

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Profile Summary

- Strong foundation in programming, data structures, and algorithms with expertise in Python, C++, and cloud technologies.
- Thrive in high-pressure environments, demonstrating adaptability, critical thinking, and problem-solving skills.
- Effective communicator and team player, collaborating seamlessly to develop innovative solutions.

Technical Skills

- **Programming Languages:** C++, JavaScript, Python
- **Web Development:** HTML, CSS, Node.js
- **Cloud Technologies:** AWS (EC2, Lambda, S3)
- **Tools & Frameworks:** Express.js, WebRTC, Streamlit, Docker, Git
- **Other Skills:** Data Structures & Algorithms

Projects

Cloud-Based Traffic Optimization System | HTML, CSS, JavaScript, AWS S3

- Developed a web-based traffic optimizer using **Dijkstra's and A* algorithms**.
- Built an **interactive frontend** for real-time traffic visualization.
- Deployed on **AWS S3** for scalability and fast content delivery.

AWS Cloud Service Cost Calculator | Streamlit, AWS Pricing API, Docker, Python

- Created a **cost estimation tool** for AWS cloud services using **Streamlit**.
- Integrated **AWS Pricing API** for real-time cost predictions.
- Containerized with **Docker** for scalable deployment.

Cloud Implementation | AWS VPC, EC2, S3, Auto Scaling, Peering

- Deployed a **three-tier architecture** using **Amazon VPC**.
- Configured **VPC Peering** for secure inter-VPC communication.
- Implemented **Auto Scaling** for optimized performance and cost.

Education

- **University of Petroleum and Energy Studies**, Dehradun, Uttarakhand *Bachelor of Technology (B.Tech), Computer Science and Engineering*
- **National Academy School**, Alwar, Rajasthan *Central Board of Secondary Education (CBSE)*

Coding Platforms

- **LeetCode** *Profile:* Leetcode
- **InterviewBit** *Profile:* Interviewbit
- **HackerRank** *Profile:* Hackerrank

Certifications

- **AWS Academy Graduate** *AWS Academy Cloud Architecting*
- **AWS Skill Builder** *Cloud Practitioner Essentials*