Aarush Tyagi

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OBJECTIVE

Aspiring Full Stack Developer enthusiastic about building scalable, low-latency systems using modern stacks. Eager to contribute to innovative teams like Affordmed, leveraging my skills in React, Node.js, Docker, and SQL. Currently exploring GoLang and cloud platforms.

EDUCATION

- **Graphic Era Hill University** — Dehradun, Uttarakhand
  Bachelor Of Technology in Computer Science — *Aug. 2022 – Aug. 2026*

- **Blue Bird International School** — Amroha, Uttar Pradesh
  Class 12 - C.B.S.E Board — *Aug. 2021 – Aug. 2022*

TECHNICAL SKILLS

- **Languages**: C, C++, Python, Java, JavaScript, SQL, (Exploring GoLang)

- **Technologies**: ReactJS, NextJS, Node.js, Express.js, MongoDB, REST APIs

- **Tools**: Git, GitHub, Docker, Kubernetes, VS Code, MySQL, Redis, OpenCV

- **DevOps and Cloud**: CI/CD (GitHub Actions), Familiar with MS Azure and AWS

- **Frameworks & Libraries**: MERN Stack, TensorFlow, Keras, Pandas, Flask, NumPy

PROJECTS

- **Mern-Based Chat Application — April 2025 – June 2025**:
  - Built a multi-user chat system using Node.js, Socket.io, and Express.
  - Designed RESTful APIs and integrated user authentication for session-based access.
  - Employed Redis caching for fast message delivery (demo).
  - Ensured cross-device compatibility via responsive UI and event-driven architecture.

- **MediBridge – Device Inventory Tracker — Jan 2025 – March 2025**:
  - Developed a full-stack SaaS application using GoLang (backend), Next.js (frontend), PostgreSQL, and Redis.
  - Integrated WebSocket-based alerts for real-time device monitoring with under 100ms response time.
  - Implemented predictive inventory tracking for 50+ hospital devices across multiple departments.
  - Deployed using Azure Cloud services with Docker and automated CI/CD via GitHub Actions.

- **Face Recognition Attendance System — Aug 2024 – Sep 2024**:
  - Developed a real-time face recognition system using Python, Flask, and ML libraries ('dlib', OpenCV).
  - Engineered backend APIs for attendance marking and user data management.
  - Built a responsive frontend UI using HTML/CSS, ensuring user accessibility.
  - Achieved consistent recognition accuracy across varied lighting using advanced tuning.

Certifications

- **Full Stack Web Development Certificate**: Completed comprehensive full stack training including React, Node.js, Express, and MongoDB – Coursera
- **Docker and Kubernetes for Developers**: Gained hands-on experience with containerization, orchestration, and deployment pipelines – Udemy
- **SQL for Data Science**: Learned advanced SQL queries, joins, and data analysis techniques – Coursera
- **Introduction to Cloud Computing with Azure**: Completed Microsoft Learn module on fundamentals of Azure architecture and services

Scholastic Achievements

- **LeetCode Contest**: Global Rank under 2000 – demonstrating strong algorithmic ability.
- **Coding Competition Finalist**: Finalist in inter-college competition; solved complex DSA problems in C++ and Python.
- **NSS Certificate B Holder**: Recognized for community service and leadership under the National Service Scheme.
- **Hackathon Runner-Up:** Won 2nd place building a utility app in 36 hours using React + Node.js.