

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; GPA: 7.7
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.