Mohammad Shahanwaz

Portfolio | LinkedIn | GitHub | mohdshahanwaz55@gmail.com | +91 8802182176 | Delhi, India

EDUCATION

National Institute of Technology, Delhi 2019 – 2023
Bachelor of Technology, C.S.E.

EXPERIENCE

Bosscoder Academy Website↗
Software Development Engineer July 2023 – Present
- Architected and scaled an advanced education platform with React and Node servers leveraging Clean Architecture principles to support 10,000+ daily active users (DAU).
- Designed and deployed a GitLab CI/CD pipeline on AWS EC2, automating Docker image builds and deployments to GCP Cloud Run across 4 regional services via GCP Load Balancing, improving reliability and scalability.
- Implemented HLS video streaming by automating Zoom recording transcoding with GCP Transcoder API, delivering recordings via GCP Cloud Storage public bucket for seamless student access to the recordings.
- Diagnosed and optimized Judge0 compiler on AWS EC2, improving performance for 200-300 active students and reducing costs by 30%.
- Streamlined automation by managing and maintaining GCP Cloud Run functions and cron jobs, reducing manual effort by 30% and accelerating task execution.
- Led a 25+ member technical team, contributing to recruitment, mentorship, and fostering a collaborative development environment.

Software Development Engineer Intern January 2023 – July 2023
- Developed platform components using React.js, Next.js, Flask, Node and Express to enhance user experience and platform functionality.
- Managed and optimized cloud platforms, including GCP, Azure, and AWS, ensuring robust deployment and maintenance of services.
- Contributed to aligning cloud functions with project goals, meeting tight deadlines efficiently.

Beetroot GitHub↗
Web Developer (Freelance) July 2022 – August 2022
- Led the complete development of an SEO-friendly website for a small startup, translating UI designs into optimized, bug-free code using Next.js.
- Developed a website for Beetroot Validator Node, a non-custodial staking provider on the Avalanche blockchain, using React and Tailwind.

WizCommerce Website↗
Full Stack Intern September 2021 – November 2021
- Developed components for web pages using React.js, focusing on the integration of Google Analytics (GA) for tracking performance and user behavior.
- Contributed to web development in React, and ensured responsive and user-friendly design.
- Assisted in improving website features, optimizing for speed and user engagement.

PROJECTS

Facial Emotion Recognition (FER) GitHub↗
Final Year Project November 2022 – June 2023
- Developed a FER system integrated with Arduino LED panels for real-time emotion visualization.
- Built and optimized machine learning models using Keras, TensorFlow, OpenCV, and Scikit, resulting in improved accuracy for emotion detection.
- Created a MERN-based web app for emotion metric tracking, providing insights and facilitating data-driven analysis.

SKILLS & INTERESTS

Programming Languages: C++, Python, JavaScript, TypeScript

Technologies & Frameworks: React.js, Next.js, Node.js, Express, Flask, Recoil, Redux

Databases & Cloud Platforms: PostgreSQL, MongoDB, MySQL, Firebase, GCP, AWS

Development Tools: VSCode, Postman, GitHub, GitLab, Figma

Languages: English (Professional Proficiency), Hindi (Native)

Hobbies & Interests: Fitness, Coding, Reading, Photography, Travelling