

Mohammad Shahanwaz

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EDUCATION

National Institute of Technology

Bachelor of Technology in Computer Science & Engineering

Delhi, India

Aug. 2019 – May 2023

EXPERIENCE

BossCoder Academy

Software Engineer

Noida, UP

July 2023 – Present

- Architected and scaled an advanced education platform with React and Node servers leveraging **Clean Architecture** principles to support **10,000+** DAU.
- Designed and deployed a GitLab **CI/CD** pipeline on an **AWS EC2** instance, reducing deployment time by **20%** and automating Docker image builds and deployments for 4 regional services using a load balancer.
- Automated **Zoom** recording transcoding with **GCP Transcoder API**, enabling **HLS & DASH** video streaming and seamless delivery via Cloud Storage public buckets, improving accessibility for over **100** recordings.
- Diagnosed and self-hosted Judge0 compiler through **Docker image** on EC2 instance, improving performance for over **200+** **active users** giving exams on platform and reducing costs by **30%**.
- Streamlined automation by managing and maintaining cloud functions and cron jobs, reducing manual effort by **40%** and accelerating task execution.
- Led a **20-25 members** technical team, contributing to recruitment, mentorship, and fostering a collaborative development environment.

Software Engineer Intern

Jan. 2023 – July 2023

- Developed platform components using **React**, **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 with peers to align cloud functions with project goals, meeting tight deadlines efficiently.

Beetroot

Web Developer

Remote

July 2022 – Aug. 2022

- Built an **SEO-friendly** website for a small startup using Next.js, improving page load speed by **40%** and achieving a **95+** score on **Google PageSpeed Insights** for both desktop and mobile.
- Turned **Figma** UI designs into a fully functional and bug-free website, delivering a smooth and engaging user experience, all within a 1-month timeframe.

WizCommerce

Web Developer

Remote

Sep. 2021 – Nov. 2021

- Integrated **Google Analytics** to track performance and user behavior while developing web page components using **React.js**.
- Collaborated with peers on web development projects, delivering responsive and user-friendly designs.

PROJECTS

Facial Emotion Recognition System | Python, React, Arduino

Nov. 2022 – June 2023

- Developed an FER system integrated with **LED** board panels through **Arduino** 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** stack web app for **emotion metric tracking**, providing insights and facilitating data-driven analysis.

TECHNICAL SKILLS & INTERESTS

Languages: C/C++, Python, SQL, JavaScript, HTML/CSS, TypeScript

Frameworks & Libraries: React.js, Next.js, Node.js, Express, Flask, Redux, Recoil, Tailwind CSS, Radix UI

Developer Tools: Docker, Google Cloud Platform, AWS, Git, VS Code, Figma, Postman, Vim, Bash, Linux

Databases: Firebase Firestore, MongoDB, MySQL, Postgres, SQLite

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