

Mohammad Shahanwaz

+91 8802182176 | mohdshahanwaz55@gmail.com | [linkedin.com/in/mshahanwaz](https://www.linkedin.com/in/mshahanwaz) | github.com/seuristic

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.js 18** 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 **Transcoder API**, enabling HLS & DASH video streaming and seamless delivery via Cloud Storage public buckets, improving accessibility for over **5000** 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 a multi-user platform using **React.js 18**, **Flask**, **Node** and **Firebase** to enhance user experience and platform functionality.
- Managed and optimized cloud platforms, including **GCP**, **Azure**, and **AWS**, ensuring robust deployment and maintenance of existing services.
- Contributed with peers to align cloud functions with project goals, meeting tight deadlines efficiently.

PROJECTS

Imagec App | Next, Tailwind, MongoDB, Razorpay, ImageKit.io

Jan. 2025 – Feb. 2025

- Implemented a complete full-stack **image e-commerce application** using **Next.js 15**, React, and TypeScript, enabling users to purchase and download digital images in multiple formats and licenses.
- Implemented secure image processing and delivery using **ImageKit.io** integration for optimized image transformations, resizing, and cloud storage management.
- Built responsive image galleries and preview components with **Tailwind UI** along with dynamic aspect ratio handling and lazy loading for optimal performance.
- Integrated **Razorpay** payment gateway, user authentication and session management using **NextAuth**, and implemented automated image delivery post-purchase.
- Designed event-driven email notification system using **Mailtrap SMTP** server, ensuring reliable delivery for order confirmations and payment receipts.

Facial Emotion Recognition System | Python, React, Arduino

Nov. 2022 – June 2023

- Developed a facial emotion recognition system integrated with **LED** board panels through **Arduino** for real-time emotion visualization.
- Built and optimized a neural network based on the **FER2013 dataset** model using **Keras**, **TensorFlow**, **OpenCV**, and **Scikit**, resulting in improved accuracy for emotion detection.
- Created a **MERN** stack web application 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, Next, Vite, Node, Express, Flask, Redux, Tailwind, Radix, Shadcn UI

Developer Tools: Docker, GCP, AWS, Git, Figma, Postman, Vim, Bash, Linux

Databases: Firestore, MongoDB, MySQL, PostgreSQL, SQLite

Hobbies & Interests: Fitness, Competitive Programming, Reading