

MOHAMMED SAQHIB BILAL

868-808-0701 | saqhibbilal@gmail.com | linkedin.com/in/saqhibb

EDUCATION

Osmania University

Bachelor of Engineering in Computer Science

Hyderabad, India

Sep. 2019 – Aug 2023

EXPERIENCE

Software Engineer

Shawave Technologies, Remote

Jan 2024 – Present

Hyderabad, India

- Built **DriverSpot** for booking drivers (in-city, outstation, after-party, concierge, bulk) with scalable solutions.
- Designed REST APIs and WebSocket for real-time user-driver communication. Implemented secure authentication and led the product lifecycle development, mentoring interns.
- Optimized backend to boost performance and reduce load times.

Software Engineer

Optimum Solutions, Remote

April 2024 – Dec 2024

Hyderabad, India

- Worked Developed a meal subscription system (User App, Driver App, Admin Panel) using MERN stack and React Native, designing REST APIs with secure authentication. Optimized admin workflows with bulk menu uploads, ZATCA-compliant invoicing, payment API integration, and sales/analytics features.
- Enhanced Driver App with navigation and order tracking, managing code on GitHub with unit testing for reliability

App Development Lead (Core Team Member)

Google Developer Student Clubs

Aug 2022 – Aug 2023

Hyderabad, India

- Lead the team in spearheading the development of diverse projects harnessing Android technologies.
- Facilitated workshops and camps on **Jetpack Compose, Flutter, and React Native** for over 700 students.
- Mentored “**Solutions Challenge**” teams on how to leverage the frameworks in their projects.

Machine Learning Intern

National Small Industries Corporation (NSIC)

June 2022 – Aug 2022

Hyderabad, India

- Preprocessed image datasets for pest detection and soil quality using OpenCV and NumPy (resizing, denoising, augmentation).
- Built a PyTorch CNN model, tuned hyperparameters (learning rate, batch size), and evaluated with accuracy, F1-score, IoU.
- Deployed FastAPI REST endpoints for real-time prediction integration with frontend applications.

PROJECTS

Real time Sign Language Detection | Python, JavaScript, Media pipe, OpenCV, Tensorflow, LSTM

- Built an **LSTM-based** real-time sign language detection system with **Mediapipe** for tracking and **OpenCV** for preprocessing.
- **Integrated a React.js frontend with a Flask API for seamless interaction.**

Automated Interview Assessment System | Python, JavaScript, Django, HTML, CSS, Firebase

- Developed an **NLP-driven** platform to automate video interview evaluations, reducing hiring time.
- Developed a **Django-based web application** for three personas recruiter, candidate, and admin.

Object Detection and Model Conversion | Python, YOLOv7, ONNX

- Utilized **YOLOv7** for object detection and converted the model to **ONNX** for compatibility.
- Analyzed and optimized prediction consistency between original and converted models.

SKILLS

Languages: Python, C++, Java, JavaScript, HTML/CSS, Kotlin

Frameworks & Libraries: React, React Native, Node.js, Jetpack Compose, Next.js, Express

Developer Tools: Git, Docker, Django, Flask, Azure, AWS(EC2), Firebase, Jest, Jasmine

Databases : MySQL, PostgreSQL, MongoDB