

# SHAKEEL AHAMED

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📍 TamilNadu, India

## SUMMARY

Motivated Junior Software Engineer with experience in Python, Flask, SQL, and basics of Flutter, React, and Node.js. Skilled in full-stack development, AI integration, and user-friendly interfaces. Experienced in prompt engineering techniques. Eager to contribute to a dynamic team and advance in software and AI development.

## EXPERIENCE

### AI & Application Developer | Omsevvel Software, Chennai

May 2025 TO SEP 2025

- Developed AI-powered camera monitoring systems for object detection, behavioral analysis, and load counting using Python, TensorFlow/Keras, YOLOv5, and OpenCV.
- Built AI-based quiz and chat applications with Android Studio (Java/XML) and Flask backend, integrating real-time AI responses for interactive learning.
- Designed cross-platform applications using Flutter with backend support from Flask and MySQL for real-time analytics and alert systems.
- Managed dataset collection, annotation, preprocessing, and model training for multiple AI solutions.
- Used prompt engineering techniques to plan, code, and debug Flutter and Android Studio projects efficiently through smart and adaptive development methods.

## EDUCATION

### B.TECH

Aalim Muhammed Salegh College of Engineering,  
Anna University, Chennai, India | CGPA: 8.04 / 10

2020 - 2024

### Higher Secondary (HSC)

Tan Academy Matric Higher Secondary  
School, Kumbakonam, India | 58%

2019 - 2020

### SSLC

Tan Academy Matric Higher Secondary  
School, Kumbakonam, India | 66%

2017 - 2018

## STRENGTHS

- Strong analytical and problem-solving skills
- Quick learner and adaptable to new technologies
- Focused, consistent, and goal-oriented in work
- Passionate about AI, automation, and smart development

## SKILLS

### Programming Languages:

Python, Dart (Flutter), JavaScript, SQL

### Mobile & Frontend:

Flutter (basic), React (basic),  
Android Studio (Java/XML), HTML5,  
Tailwind CSS

### Backend & Databases:

Flask, Node.js (basic), MySQL, Oracle

### AI & Machine Learning:

TensorFlow, Keras, OpenCV, YOLOv5,  
Scikit-learn

### DevOps & Tools:

Linux, GitHub, Postman, Docker  
(basic), WAMP

### Networking & Cloud:

TCP/IP, HTTP, DNS, VPN concepts,  
Cloud deployment basics

## INTERESTS

- Cross-platform mobile and web applications
- Backend development and APIs
- Real-time data and analytics
- Cloud & DevOps technologies

## CERTIFICATION

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- Oracle Database Administration | TesDB Academy
- The Ultimate SQL Bootcamp: Go From Zero to Hero! - UDEMY
- Linux for Data Engineer (Hands-On) – Udemy
- Data Warehouse Fundamentals – Coursera
- Introduction to Cloud Computing – IBM
- ChatGPT Prompt Engineering Certification – Guvi

## PROJECTS

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### AI-Powered Quiz & Chat Application (Android + AI)

- Built an educational app with AI-driven quiz generation and real-time chat features for student interaction.
- Integrated Flask + MySQL backend to process responses and generate instant feedback.
- Implemented AI prediction models for question evaluation and adaptive learning.

### SCOBY ALERT & LOAD COUNTING SYSTEM (AI + ANDROID)

- Developed a real-time monitoring and object counting system to detect human/animal movements and product mishandling using YOLOv5 and CNN models.
- Collected and annotated 200+ images per object, created bounding boxes, and trained models up to 25 epochs for improved detection accuracy.
- Integrated the trained .pt model with a Flask backend and Android Studio app, assisting in UI design and logic modification using prompt engineering for smarter development.

### TRADING LEARNING PLATFORM (FRONTEND & BACKEND)

- Created a web-based learning and analytics platform using Flask and SQLAlchemy.
- Integrated real-time trading graphs, calculators, and dashboards with Tailwind CSS and ApexCharts.js.
- Added secure login, admin controls, and dynamic analytics visualization.

## Key Achievements

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- Implemented AI-based object detection and behavior tracking systems.
- Delivered AI-powered mobile apps using Flask, Android Studio, and Flutter.
- Recognized for innovation and smart work using prompt engineering.

## LANGUAGES

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- English - Proficient
- Tamil - Proficient