

# Osama Mikrani

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## SUMMARY

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Enthusiastic Software Engineer with a strong foundation in software development and problem-solving. Proficient in Java, Python, with hands-on experience building scalable solutions and resolving complex technical challenges. Combines analytical thinking, persistence, and effective communication to deliver high-quality, collaborative results.

## SKILLS

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**Programming Languages:** Java, Python, SQL

**Tools & Technologies:** HTML, CSS, JavaScript, MongoDB, Bootstrap, React, Git & GitHub, Terminal, Tailwind

## PROJECTS

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### Camouflaged Object Detection (COD)

Jan 2025 - Jan 2026

Deep Learning Project

Python, Transformer, YOLOv8

- Developed a Camouflaged Object Detection system using YOLOv8 deep learning model to identify hidden military objects in complex environments. Built the complete pipeline including dataset preprocessing, training, and evaluation using mAP, Precision, and Recall, focusing on real-time detection and improved accuracy over traditional methods.

### Multiple Disease Prediction

Aug 2023 – Dec 2024

AI-Powered Health Prediction

Python

- The project focuses on Multiple Disease Prediction based on symptoms.
- Training data is used to train a model, and test data is used to evaluate its performance.
- The prediction.csv file likely contains a sample or result of predictions, but its formatting is suboptimal.

### Full-Stack Airbnb Project

Full-Stack Airbnb Project

- Developed a full-stack web application replicating the core functionalities of Airbnb, allowing users to search for accommodations, view detailed property listings, make bookings, and manage their own listings. Built using Node.js, Express.js, EJS, and MongoDB (Mongoose), the project implements secure user authentication and authorization, CRUD operations for property management, and a responsive UI for seamless user experience. This project demonstrates strong skills in backend development, RESTful APIs, database integration, and dynamic front-end rendering.

## EXPERIENCE

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### 24-Hour Hackathon – Spam Email Prediction Project

June 2022 – Oct 2024

DeepMind

CIT College, Karnataka

- Collaborated in a 24-hour hackathon to develop a machine learning model for spam email prediction.
- Applied data preprocessing, feature extraction, and classification techniques to achieve efficient spam detection.
- Gained teamwork, problem-solving, and rapid prototyping experience under time constraints.

## EDUCATION

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### Channabasaveshwara Institute of Technology, Tumkur

Aug 2022 – May 2026

B.E. in Computer Science Engineering

CGPA: 8.2/10

## CERTIFICATIONS

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- **DSA (Java) Apna College:** Data Structures and Algorithms, Problem-solving
- **Apna College:** Full Stack Web Development, Database
- **Generative AI Leader Track:** Google