

MOHD ZUHAIB KHAN

Python Backend Developer · Full-Stack Engineer · Cloud & DevOps

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PROFESSIONAL SUMMARY

AWS Certified Cloud Practitioner and B.Tech Computer Science graduate specializing in Python backend and scalable cloud applications. Built and deployed real-world systems including an AI-based crop disease detection platform achieving **99%+ accuracy on 87K+ images** and a secure banking application with transaction handling. Experienced in REST APIs, AWS (EC2, S3, IAM, Lambda), Docker, and MongoDB. Oracle OCI Certified.

TECHNICAL SKILLS

Cloud & DevOps: AWS (EC2, S3, IAM, Lambda), Oracle OCI

Backend: Python, Flask, REST APIs

Database: MongoDB, MySQL

Frontend: HTML5, CSS3, JavaScript

Tools: Git, GitHub

Core Skills: Problem Solving, Analytical Thinking, Quick Learner

PROJECTS

Crop Disease Detection · Python · TensorFlow · Keras · Flask · Docker · HTML/CSS · JavaScript

Apr 2026

Live App: huggingface.co/spaces/Zuhaibkhan/Crop-Disease Code: github.com/Zuhaibkhan/Crop-Disease

- Developed and deployed an end-to-end AI system that identifies **plant diseases** from leaf photos with **99%+ confidence**, providing instant treatment recommendations to help farmers prevent crop loss — live and accessible via any smartphone.
- Trained a custom **(CNN)** on **87,000+ images** from the PlantVillage dataset, achieving high accuracy across tomato, rice, wheat, corn, potato, apple, grape, and 10+ other crops.
- Deployed a production-ready Flask web app on **Hugging Face Spaces** using **Docker**; built with a mobile-first UI, voice readout feature, and real-time diagnosis — zero installation required for farmers.

Banking Automation System · Python · Flask · MongoDB · PyMongo · JavaScript · HTML/CSS

Oct 2025

Live App: zuhaibkhan.github.io/BankingAutomationSystem

- Developed a secure full-stack banking web application with user registration, session-based authentication, and real-time deposit/withdrawal operations using Python Flask as the core backend framework.
- Designed MongoDB schema and managed all operations via PyMongo; backend architecture directly scalable to AWS DocumentDB or MongoDB Atlas for production.
- Enforced input validation and secure authentication across all API routes; built a clean, responsive frontend ensuring accessibility for non-technical users.

CERTIFICATIONS

AWS Certified Cloud Practitioner · Amazon Web Services

Oracle Cloud Infrastructure (OCI) Professional Developer · Oracle

EDUCATION

Bachelor of Technology — Computer Science · Gurugram University, Gurugram, Haryana

Aug 2021 – Jul 2025

Intermediate (XII) & High School (X) · Crescent Convent School, Dildarnagar, Uttar Pradesh

2017 – 2021