

# MUHAMMAD ISMAIL SHAH

## Websites, Portfolios, Profiles

- <https://www.linkedin.com/in/ismail-shah-038349242>
- <https://github.com/Ismailshah496>

## Summary

Computer science graduate with expertise in full-stack mobile application development, machine learning, and backend systems. Developed impactful projects such as a cross-platform food redistribution app, an AI-powered legal chatbot, and a customer churn prediction model. Proficient in technologies including Flutter, Firebase, Python, Flask, and scikit-learn, with strong skills in user-focused design and API integration. Committed to creating scalable software solutions that deliver significant value to users and organizations.

## Education

**Bachelor of Science, Computer Science, 07/2025**  
**University Of Engineering And Technology**, Peshawar, Pakistan  
06/2025

## Experience

**Zero Hunger – Food Redistribution App 01/2025 - 07/2025**  
**Flutter · Firebase · Google Maps API, UET PESHAWAR**

Developed a cross-platform app to connect food donors, recipients, and volunteers in real-time. Integrated Firebase for authentication, database, and storage, with Google Maps for location tracking. Built features like donation posting, campaign creation, volunteer tracking, and AI-based delivery routing. Ensured secure, scalable, and user-friendly experience using Flutter and role-based access control.

**Customer Churn Prediction – Machine Learning Model 11/2024 - 12/2025**  
**Python · Scikit-learn · Pandas · Jupyter**

Built a supervised ML model to predict customer churn using real-world customer behavior and usage data. Performed data preprocessing, feature engineering, and model training using classification algorithms (Logistic Regression, Random Forest). Achieved high prediction accuracy and visualized key churn indicators for business insight.

**MR Adv – Pakistan Constitutional Chatbot 01/2025 - 02/2025**  
**Python · OpenAI API · NLP · FLASK**

Developed an intelligent chatbot that answers queries based on the Constitution of Pakistan using OpenAI's language model and natural language processing techniques. Designed a clean, user-friendly web interface using Flask, enabling real-time chat functionality. Aimed to assist students, citizens, and professionals in understanding constitutional law through interactive

legal Q&A.

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<b>Skills</b>	<ul style="list-style-type: none"><li>• Frontend development: HTML, CSS, Tailwind CSS, Bootstrap, SASS</li><li>• Backend development: Node.js, RESTful APIs, GraphQL</li></ul>	<ul style="list-style-type: none"><li>• Data analysis: NumPy, Pandas, Scikit-learn, Matplotlib</li><li>• Database management: MongoDB, MySQL</li></ul>	<ul style="list-style-type: none"><li>• Development tools: Postman, Docker, Git, GitHub, AI tools, Microsoft 365</li></ul>
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<b>CERTIFICATIONS</b>	<ul style="list-style-type: none"><li>• Introduction to Software Engineering (IBM), 2025-03</li><li>• Programming for Everybody (Getting Started with Python) from University of Michigan, 2025-01</li><li>• Introduction to Frontend Development (Meta), 2023-08</li></ul>
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<b>Languages</b>	English Full Professional, Urdu Full Professional Native or Bilingual
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