Muhammad Farid Masood Khan

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Sahiwal Pakistan

Professional Summary

Computer Science graduate with expertise in data science, machine learning, and full-stack development. Experienced in mobile and web app development, and data analysis projects, with proven leadership in software delivery. Seeking to pursue a Master's in Data Science or Computer Science to advance computational research and apply AI-driven solutions to real-world challenges.

Education

Bachelor of Science in Computer Science (CGPA: 3.28 / 4.00)   2020 – 2024
Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi, Pakistan
- **Project:** AI-based mobile application for donation and food waste management.
- **Relevant Coursework**: Machine Learning, Data Structures & Algorithms, Artificial Intelligence, Linear Algebra, Probability & Statistics.

Higher Secondary School Certificate (HSSC), Pre-Engineering   2017 – 2019
Board of Intermediate & Secondary Education (BISE), Sahiwal

Secondary School Certificate (SSC), Science   2015 – 2017
Board of Intermediate & Secondary Education (BISE), Sahiwal

Research Interests

- Machine Learning
- Deep Learning
- Data Mining & Analysis
- Artificial Intelligence
- Computer Vision

Work Experience

Data Science Intern   May 2025 – present
DataCrumbs – Karachi, Pakistan
- Engaged in data cleaning, preprocessing, and exploratory data analysis (EDA) using Python libraries.
- Assisted in developing and training predictive models to identify trends and patterns in large datasets.
- Created data visualizations and dashboards using Matplotlib and Seaborn to communicate findings.

Flutter App Developer   Nov 2023 – Feb 2025
Desired Technology – Sahiwal, Pakistan
- Designed and developed AI-enabled mobile applications using Flutter & Dart.
- Integrated Firebase ML Kit for text recognition and image classification in selected apps.
- Analyze user interaction data to inform UI/UX improvements and improve user experience.

Projects

Customer Churn Prediction (Machine Learning)
  - Built a predictive model to identify customer churn for a telecom company.
  - Applied feature engineering, model training, and evaluation using Python, Pandas, and Scikit-learn.
  - Achieved 85% accuracy, demonstrating strong data-driven decision support.

Sentiment Analysis of Product Reviews (NLP)
  - Designed a text classification system using Python and NLTK.
  - Implemented web scraping, preprocessing, and supervised learning to analyze e-commerce reviews.
  - Generated business insights by classifying reviews as positive, negative, or neutral.

Frugal (FYP – AI-based Food Waste Management App)
  - Led a team to develop an AI-driven Flutter app connecting restaurants with NGOs.
  - Integrated food recognition for quality checks and smart donation matching.
  - Incorporated role-based access and secure donation gateway for large-scale deployment.

MediPedia (Mobile + AI Features)
  - Developed a Flutter app for medical students with AI-enabled search and recommendation system.
  - Included a digital library (500+ books), mock tests, and analytics for performance tracking.

Office Orbit (Employee Management System)
  - Created a cross-platform app with real-time analytics for attendance, productivity, and location tracking.
  - Designed data visualization dashboards for managers to support decision-making.

Technical Skills

- **Data Science & AI:**
  - Python, NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, Data Analysis, Machine Learning, Deep Learning
- **Programming Languages:**
  - Python, C++, R, Dart
- **Mobile Development:**
  - Flutter, Dart, Firebase, Android/iOS
- **Web Development:**
  - React.js, Node.js, Express.js, JavaScript, HTML5, CSS3
- **Databases:**
  - SQL, MongoDB, Firebase (Firestore, Realtime DB)
- **Tools & Platforms:**
  - Git, Docker, VS Code, Android Studio, AWS, Firebase

Certifications & Training

- Data Science Specialization (Project-Based) – DataCrumbs
- Machine Learning Foundations – Coursera
- Deep Learning with TensorFlow – Udemy

Languages

- Urdu (Native)
- English (Professional)
- Chinese (Beginner)