Ebad Ur Rehman

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github.com/Eur105

Summary

Software engineer with a strong foundation in Flutter, JavaScript, and modern backend technologies. Experienced in building responsive, real-time mobile and web applications with a focus on clean UI and scalable architecture. Recently developed a keen interest in AI and Machine Learning, particularly in deep learning pipelines for computer vision and natural language processing. Skilled in integrating ML models into applications, with working knowledge of frameworks like PyTorch and TensorFlow. Passionate about creating intelligent, user-centric solutions that bridge the gap between traditional software and emerging AI technologies.

Skills

- **Languages:** C, C++, Python
- **Web Development:** HTML5, CSS3, JavaScript
- **App Development:** Flutter and Dart
- **UI/UX Design:** Figma wireframes and mockups
- **Databases:** MySQL, MongoDB
- **Backend Services:** JWT, RESTful APIs, Firebase, Supabase
- **Python Libraries:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn

Education

FAST-NUCES, BS in Computer Science   2021 – 2025

Experience

Machine Learning Intern, CodeAlpha   Jun 2025 – Present

- Built a machine learning model to predict creditworthiness using classification algorithms and real-world financial data.
- Developed a deep learning pipeline to detect a person's emotional state based on speech input using audio preprocessing and neural networks.
- Applied techniques such as data cleaning, feature engineering, regression analysis, and model evaluation using Python and Scikit-learn.
- Gained practical exposure to deep learning frameworks like TensorFlow and PyTorch for speech and audio-based emotion recognition tasks.

Frontend Developer, Sizvis Media   Apr 2024 – Mar 2025

- Led UI/UX designing using Figma by creating wireframes, mockups, and interactive prototypes, ensuring an intuitive and user-friendly interface tailored to client needs.
- Developed cross-platform frontend using JavaScript and Flutter, integrating third-party features like payment gateways
- Actively collaborated with the client to understand requirements, navigated through detailed project documentation, and managed feedback loops to align development goals with business expectations.

Teaching Assitant, FAST-NUCES   Sep 2023 – Jan 2024

- Supported students with assignments and projects, providing conceptual help and guidance.
- Helped design quizzes and graded assessments, ensuring academic integrity and consistency in evaluation.

Projects

Sportify, Flutter, Node.js, Express.js, Firebase, JWT, REST APIs, Oracle SQL   github.com/eur105/Sportify

- Built Sportify, a sports venue booking app with real-time availability, interactive maps, user authentication, and secure payment integration.

Kicks and Kits, Flutter, Dart   github.com/Eur105/Kicks...

- Developed a dynamic sports merchandise app, Kicks and Kits, featuring user authentication, real-time product browsing, and integrated cart functionality.

Hashlimo, HTML, CSS, JavaScript, React.js, Express.js, Node.js, Oracle SQL   github.com/Eur105/Hash...

- Developed a web-based car rental system enabling users to browse, book, and manage vehicle rentals with real-time availability and admin dashboard control.

Tennis Analysis System, PyTorch, OpenCV, YOLO8, Pandas, Numpy, Ultralytics,   github.com/Eur105/Tennis...
Python3.8

- Built a computer vision system using YOLO and CNNs to detect players and tennis balls, extract court keypoints, and analyze player speed, shot speed, and number of shots from video footage.