Ayesha Kousar

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Professional Summary

A motivated and adaptable professional with a strong interest in technology and innovation. Experienced in developing efficient and impactful solutions across various platforms. Seeking opportunities in dynamic environments that foster continuous learning, teamwork, and leadership growth. Committed to contributing meaningfully while improving skills and staying in line with modern industry trends.

Projects

WatchWise – AI Powered Employee Monitoring System

- Final Year Project (2024): Developed WatchWise, an AI-driven Employee Monitoring System designed to enhance workplace productivity through real-time activity tracking and intelligent analytics. Built a responsive web application integrating computer vision-based video processing for behavior analysis and event detection.
- Key Features:
  - Real-time activity monitoring using OpenCV and deep learning models.
  - Interactive dashboard with visual analytics and performance metrics.
  - Multi-user support with role-based access control.
  - Cloud-based data storage for efficient logging and retrieval.
- Tools Technologies Used: React, Flask, MongoDB, OpenCV, Deep Learning (CNN), WebSockets, JWT Authentication.

Sports App – A Web Application

- Developed a sports management web app enabling team coordination, event scheduling, and league management with real-time notifications for match updates and team communications.
- Integrated user authentication, role-based access control, and an interactive dashboard to streamline team activities and event tracking.
- Technologies Used: React Native, Node.js, Express.js, MongoDB, WebSockets, JWT Authentication.

Forged Detector – AI-Powered Image Forgery Detection

- Developed a deep learning-based image forgery detection system to identify splicing, copy-move, and tampered regions in images with high accuracy.
- Built an interactive web interface for real-time forgery analysis, allowing users to upload images and receive instant detection results.
- Technologies Used: Python, TensorFlow, OpenCV, Flask, CNN, Image Forensics.

Experience

Teacher's Assistant *September 2024– Current*
Riphah International University Islamabad, Pakistan.

- Assisted lead teachers to monitor class schedule.
- Graded assignments and reported individual progress to teacher.
- Supported student learning objectives through personalized and small group assistance

Education

Riphah International University *Islamabad, Pakistan*
BS in Computer Science *2021–2025*

- GPA: 3.98/4.00

- **Coursework:** Artificial Intelligence, Machine Learning, Data Structures, Advance Computer Programming, Web Engineering, Database, Mobile Application Development

Aslam Model College *Rawalpindi, Pakistan*
FSc Pre Medical *2018–2020*

- **Coursework:** Biology, Chemistry, Physics

Certificates

AI For Everyone: DeepLearning.AI

Machine Learning with Python: IBM

Web Development in React.js: Build a Web App: Coursera Project Network

Android Programming for Beginners: Coursera Project Network

Technologies

Languages: Python, Java, JavaScript, C++, SQL, HTML, CSS

Frameworks: React, React Native, Node.js, Express.js, Flask.

Technologies: MYSQL, MongoDB, OpenCV, TensorFlow, WebSockets.

References

Available upon request.