Tuba Faryal

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Computer Scientist

PYTHON DEVELOPER (AI) | MOBILE APP DEVELOPER | ML ENGINEER

Enthusiastic computer scientist dedicated to driving innovation and excellence in technology, especially Artificial Intelligence. With a passion for transforming ideas into cutting-edge applications and models, I bring a wealth of expertise in Python and mobile app development.

EDUCATION

University of Engineering and Technology – *Lahore* BS-Computer

Science, [2021 – 2025]

WORK EXPERIENCE

KICS - *Lahore*

Artificial Intelligence Course (Python Development)   **3 months**

I have a solid foundation in Python development, acquired through a comprehensive course, and have applied my skills to numerous AI projects throughout my academic semesters.

- Developed responsive and user-friendly front-end interfaces using HTML, CSS, and JavaScript, ensuring cross-browser compatibility and accessibility.
- Developed server-side logic and RESTful APIs using PHP for backend development, facilitating communication between the front-end and back-end systems.
- Developed several python projects and trained models as semester projects.

PROFESSIONAL SKILLS

Languages
- C++, Html, CSS, JavaScript(TypeScript), Python, PHP, Flutter(Dart)

Database Management
- MySQL, MongoDB, Firebase

Machine Learning
- Pandas, NumPy.

Tools

- Adobe Photoshop, Adobe Illustrator, Canva, MS-Word, MS-PowerPoint, MS-Excel, Anaconda, Android-Studio, Visual Studio

Interpersonal Skills

- Team work, Leadership, Communication and Presentation skills.

PROJECTS

Facial Recognition based Attendance System

- Developed facial attendance system on department level using PYTHON and SQL workbench for database.

Weather Prediction System

- Developed accurate weather prediction system using PYTHON as a semester project of Artificial Intelligence.

Activity Scan: Dyslexia Detection

- Developing an accurate AI system to detect dyslexia in students by training model on real time dataset that is all collected by me and my group members. Working on this idea as my Final Year Project.

Planify

- Developed a fully-fledged mobile application in flutter using Visual Studio, to organize and schedule daily life tasks.

Speech-to-Text Converter

- Developed mobile application in flutter to convert spoken words to readable text.

Electricity Bill Management System

- Developed Food Electricity bill management system using SQL, HTML & CSS.

Internet Café Network Design

- Developed Network of Internet Café using Computer Network.

ADDITIONAL COURSES

- Certificate of English for STEM, MOOC 2022	**1 month**
- Artificial Intelligence Course – KICS	**3 months**
- AI Engineering Course - *IBM*	**2 months**
- Web & App Development Course – *CORVIT SYSTEMS*	**3 months**
- Graphic Designing Course - *CODATOR*	**1 month**

(Proof of certificates can be provided, if needed)