Alyan Malik
Full Stack Developer & Machine Learning Engineer

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Highly motivated and result oriented Software Engineer with a Bachelor's degree in Software Engineering and 2+ years of hands on experience in web development and machine learning. Proven ability to develop robust web applications using Laravel and other frameworks, and implement machine learning solutions using Python.

Work Experience

Full Stack Developer & Machine Learning Engineer
Jan 2024 - Jun 2025
Codiro Technologies | Taxila, Pakistan

Full Stack Development (eAuction Platform):
- Designed and developed a fully functional eAuction web platform for real time product bidding.
- Built using Laravel, Livewire, Tailwind CSS, Bootstrap, Vite, HTML, CSS, and JavaScript.
- Implemented user roles (admin, buyer, seller), listing workflows, real time bidding logic, and payment integration.
- Developed responsive, secure UI with dynamic frontend components using Laravel Livewire.
- Optimized database interactions using Eloquent ORM for performance and scalability.

Machine Learning Engineering (Utility Meter Reading App):
- Built an AI-based system to extract meter readings from both analog and digital utility meters.
- Applied YOLOv8 for digit detection and custom CNN/OCR models for digit classification.
- Enhanced image quality using OpenCV preprocessing techniques.
- Developed complete ML pipeline: data labeling, model training, evaluation, and deployment.
- Integrated models with Flask backend and built a user friendly interface for meter image uploads.

Core Skills

Web Development: Laravel, PHP, Python, Flask, JavaScript (ES6+), HTML, CSS3, REST APIs, MySQL, Git, Version Control

Programming Languages: Python, PHP, JavaScript, SQL

Machine Learning: TensorFlow, Keras, Scikit-learn, Pandas, Numpy, OpenCV, Model Training, Evaluation

Software Development: Agile Methodologies, SDLC, Debugging, Testing

Education

COMSATS University Islamabad, Wah Campus
Sep 2021 - Jun 2025
Bachelor of Science in Software Engineering

Languages

Urdu *(Native)*, **English** *(Fluent)*

Interests

Video Editing, Coding, Website Building