

Usama Amanat

Software Engineer

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Lahore

SUMMARY

I am a Software Engineer with a strong background in .NET (MVC & Core), JavaScript, SQL Server, Python, React.js, Machine Learning, and Full-Stack Development. I am passionate about building **smart, scalable, and user-centric products**, including web platforms and AI-driven systems that solve complex problems, streamline business processes, and deliver excellent user experiences.

SKILLS



EXPERIENCE

Software Engineer

Data Intuitions

⌚ 05/2025 - Present ⚽ <https://dataintuitions.com/>

- Developed a full enterprise website in **.NET MVC** with secure authentication, dynamic content, and SQL Server integration.
- Created a module to fetch and save structured data using **.NET MVC** and **SQL Server**, enhancing internal workflow automation.
- Created **document intelligence systems** extracting structured data from PDFs and images.
- Integrated SmartyStreets API into a **.NET MVC** app for real-time address validation and accuracy.
- Built **AI-powered interactive pages** and adaptive learning platforms for context-aware user experiences.

Associate Software Engineer

Digital Optimizer

⌚ 04/2024 – 05/2025 ⚽ digitaloptimizer.co.uk

- Developed and deployed AI/ML models for process optimization and decision support
- Experience in developing and maintaining web applications using MERN Stack (MongoDB, Express.js, React.js, Node.js)
- Integrated machine learning algorithms into real-time systems
- Applied predictive modeling to automate and improve business workflows

Frontend Developer

DevnbeansSolutions

⌚ 12/2021 - 02/2024 ⚽ Lahore

- Developed responsive, user-friendly front-end interfaces using React.js and Material-UI
- Built server-side logic and APIs with Node.js, Express.js, and Django
- Managed and integrated databases like MySQL, MongoDB, and PostgreSQL
- Movie App: Built a movie browsing app with real-time data from APIs and a Material UI interface.
- Reseller Dashboard: Developed a sales and inventory dashboard with real-time data updates.
- Delivered complete e-commerce platforms with shopping carts, user authentication, and payment integrations (e.g., PayPal).

PROJECTS

Sound Recognition System

- Building a Sound Recognition App utilizing Deep Learning, Mel-spectrogram Extraction, CNN model for accuracy comparison

Eye Donation App

- Developed a streamlined platform for eye-donation registration and donor management.

AI-based Education Recommendation APP

- Created an advanced Django project for education recommendations using OpenAI, HTML, CSS, and Bootstrap 5

Healthcare Management System

- Developed .NET MVC interfaces to support efficient healthcare and administrative workflows.

EDUCATION

Bachelors in Computer Science

COMSATS University Islamabad Lahore Campus

⌚ 02/2016 - 02/2020 ⚽ Lahore