

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

JavaScript	.NET MVC	Python	NLP	Django	.NET Core	Flask	HTML	CSS	React
Machine Learning	Java	Oracle	SQL Server	C#	Node.js	OOP	Data Mining		

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