Usama Amanat

Software Engineer

I am a Software Engineerwith a strong background in .NET (MVC & Core), JavaScript, SQL Server,Python, React.js, Machine Learning, and Full-Stack Development. I am passionateabout building **smart, scalable, and user-centric products**, including webplatforms and AI-driven systems that solve complex problems, streamlinebusiness processes, and deliver excellent user experiences.

✉ usamaamanat043@gmail.com 📱 +92339 4070105 📍 Lahore, Pakistan 🗂 usama-amanat-portfolio.vercel.app

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EDUCATION

Bachelors in Computer Science
COMSATS University Islamabad Lahore Campus
Feb 2016 - Feb 2020 | Lahore, Pakistan

WORK EXPERIENCE

Software Engineer
Data Intuitions
https://dataintuitions.com/
May 2025 - Present

Accomplishments / Tasks

- 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 **.NETMVC** 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.
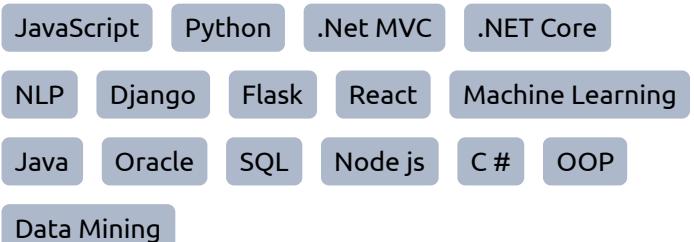- Built **AI-powered interactive pages** and adaptive learning platforms for context-aware user experiences.

Associate Software Engineer
Digital Optimizer
digitaloptimizer.co.uk
Jan 2023 - May 2025

Achievements/Tasks

- 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

SKILLS

JavaScript   Python   .Net MVC   .NET Core

NLP   Django   Flask   React   Machine Learning

Java   Oracle   SQL   Node js   C #   OOP

Data Mining

PERSONAL PROJECTS

Sound Recognition System
Developement
Build a Sound Recognition App utilizing Deep Learning, Mel-spectrogram Extraction, CNNmodel for accuracy comparison

EyeDonation App
Developement
Developed a streamlined platform for eye-donationregistration and donor management.

AI-based EducationRecommendation APP
Developement
Created an advanced Django project for education recommendations using OpenAI, HTML, CSS, and Bootstrap 5

Healthcare Management System
Developement
Developed .NET MVC interfaces to support efficienthealthcare and administrative workflows.

LANGUAGES

English
Professional Working Proficiency

Urdu
Full Professional Proficiency