

Suraj Khodade

Senior Software Engineer – Full Stack | Data Science | Machine Learning | Generative AI | Azure

Pune, Maharashtra, India

suraj.khodade7@gmail.com | +91 9890079626

[LinkedIn](#) | [Portfolio](#) | [GitHub](#)

PROFESSIONAL SUMMARY

Experienced Senior Software Engineer with 6+ years in full-stack development and a strategic focus on transitioning into Data Science, Machine Learning (ML), and Generative AI. Skilled in designing scalable applications using Microsoft Azure, .NET Core, and Python-based ML frameworks. Proven ability to develop and integrate AI-driven solutions leveraging Azure Cognitive Services, TensorFlow, and NLP technologies. Certified in Azure Fundamentals and Data Fundamentals with hands-on experience in ML model development, data processing, and automation within healthcare and enterprise domains. Adept at collaborating with cross-functional teams to deliver innovative AI-powered solutions that drive operational excellence.

TECHNICAL SKILLS

Languages & Frameworks: C#, .NET Core, Python (NumPy, pandas, TensorFlow), Angular, TypeScript

Machine Learning & AI: Machine Learning (ML), Deep Learning, Large Language Model (LLM), Natural Language Processing (NLP), Generative AI, Agentic AI

Cloud & DevOps: Microsoft Azure (Functions, Service Bus, App Services, Azure Machine Learning)

Data Handling: ETL, MSSQL, MySQL, EF Core, Data Transformation, Data Cleansing, EDA

Architecture & APIs: FastAPI, Microservices, RESTful APIs, Web Services, RabbitMQ

DevOps & Tools: Azure DevOps, CI/CD, Docker, Git, NUnit, XUnit, Postman

IDEs & Notebooks: Visual Studio, Visual Studio Code, Jupyter Notebooks, PyCharm

Methodologies & Practices: Agile, Scrum, Kanban, Clean Code, SOLID Principles, Design Patterns

WORK EXPERIENCE

Globant – Pune India

Senior Software Engineer | 05/2024 – Present

- Designed scalable AI-integrated applications using Azure Cognitive Services and Python ML libraries.
- Collaborated with AI teams to develop ML-driven microservices, reducing data latency by 30%.
- Led Generative AI integration to enhance automation and user experience.
- Initiated and contributed to cutting-edge Generative AI projects, enhancing application capabilities through innovative AI model integration and automation.
- Partnered with European clients to translate AI/ML requirements into technical solutions.

CitiusTech Healthcare Pvt. Ltd. – Mumbai India

Technical Lead | 11/2021 – 04/2024

- Joined as Senior Software Developer focusing on .NET full-stack development for healthcare solutions.
- Proactively transitioned into AI and Data Science by leading initiatives involving Python-based ML workflows and Azure AI services.
- Spearheaded AI/ML proof-of-concept projects, gaining hands-on experience with machine learning models, NLP, and Generative AI integration.
- Mentored team members on AI fundamentals while continuing to deliver robust enterprise integration solutions using .NET and Azure.

Sankalp Computer & Systems Pvt. Ltd. – Pune India

Senior Software Developer | 02/2020 – 11/2021

- Designed and developed complex application features using ASP.NET MVC and RDBMS.
- Planned, designed, and debugged stored procedures and queries, improving efficiency by 20%.
- Created Web APIs, services, and SQL stored procedures for scalable solutions.
- Ensured application stability by troubleshooting and resolving technical issues promptly.

Plexitech Technologies Pvt. Ltd. – Mumbai India

Software Developer | 04/2019 – 01/2020

- Collaborate with internal teams to produce software design and architecture.
- Plan, design, schedule, write & debug database stored procedures and queries.
- Troubleshoot and resolve technical issues in application programs, ensuring timely and effective resolution to maintain application stability.

NOTABLE PROJECTS

AI-Driven Chatbot for Customer Support Automation | Globant

- Built an AI chatbot leveraging NLP and dialog management frameworks to automate customer interactions and support ticket handling.
- Integrated with backend CRM and ticketing systems to provide seamless end-to-end automation.

AI-Augmented Web Scraping & Content Summarization | Globant

- Developed Python-based web scraping pipelines using libraries such as requests and Selenium to extract structured/unstructured data from dynamic websites.
- Integrated OpenAI's GPT API to automatically summarize, classify, and enrich scraped content, enabling intelligent content processing at scale.
- Automated the end-to-end data pipeline—from extraction to semantic analysis—improving processing efficiency by 60% and reducing manual intervention.

Healthcare Data Integration and Predictive Analytics | CitiusTech Healthcare

- Developed ETL workflows to aggregate and clean multi-source healthcare data, enabling comprehensive patient and clinical analytics.
- Collaborated with data science teams to build predictive models for patient risk stratification and resource optimization.
- Enabled real-time predictive analytics and anomaly detection in healthcare systems through integration of ML models.

Virtual Chatbot for Payroll Employee Support | CitiusTech Healthcare

- Designed and integrated an AI-powered chatbot leveraging NLP techniques to assist employees with payroll inquiries and issue resolution.
- Reduced support ticket volume and improved response time by automating frequently asked questions and common payroll processes.

Payroll Anomaly Detection using Machine Learning | CitiusTech Healthcare

- Developed and deployed machine learning models to identify anomalies in payroll and allocation data, significantly reducing errors and fraud risks.
- Implemented automated data preprocessing and feature engineering pipelines using Python and Azure Functions to enhance model accuracy.
- Enabled proactive alerts and reporting, improving payroll compliance and operational efficiency.

EDUCATION

Bachelor of Engineering (BE)

Government College of Engineering, Karad | Graduated: Aug 2016

TRAINING AND CERTIFICATIONS

AZ-900: Microsoft Azure Fundamentals, 2023

DP-900: Microsoft Azure Data Fundamentals, 2025

Python: Beginner to Advance for Data Professionals