

Umesh N Kadadi

Senior Software Developer

Bangalore, India | umeshkadadi95@gmail.com | +91-8904679934

Summary

Python Engineer with 4+ years of experience building scalable backend systems and AI-powered solutions. Proven expertise in developing machine learning applications, RESTful APIs, and cloud-native systems using Python, Azure, and modern AI stack. Experienced in full SDLC, LLM integration, and MLOps practices. Passionate about applying NLP and prompt engineering to solve complex problems.

Skills

- **Languages:** Python (Proficient), C#, JavaScript, TypeScript, SQL.
- **AI/ML Stack:** scikit-learn, TensorFlow, PyTorch, NLP, LLM Integration (GPT-4), Prompt Engineering, OpenAI
- **Cloud & DevOps:** Azure (Functions, IoT Hub, SQL), Docker, Kubernetes, Azure DevOps, CI/CD.
- **Data Engineering:** Pandas, NumPy, ETL Pipelines, SQL Server, PostgreSQL, MongoDB, Kafka.
- **Frameworks:** FastAPI, .NET Core, Node.js, Angular.
- **MLOps:** Model Deployment, Azure ML Services, Monitoring.
- **Practices:** Agile/Scrum, TDD, Microservices, Secure Coding.

Experience

Senior Software Developer | Tenova Technologies Pvt Ltd | Bangalore

Sep 2022 – Oct 2024

- Developed and maintained scalable enterprise web applications using **.NET Core, C#, WPF, Python**

- Applied **OOPS concepts** and **MVC architecture** for structured, maintainable codebases.
- Integrated **SQL** database solutions for efficient data storage and querying.
- Led the team in adopting Agile methodologies and CI/CD pipelines for faster delivery.
- Assisted non-technical stakeholders with software functionality and demos.

Blockchain Developer | NIC | Bangalore

Jan 2022 – Aug 2022

- Engineered CertChain (Blockchain validation system) using **Python** and **REST APIs**.
- Implemented **NLP techniques** for document classification and metadata processing.
- Developed data processing workflows for certificate validation using **NoSQL** databases.
- Automated stakeholder reporting modules using **Python** scripting.

Power BI Support Engineer | Mindtree | Bangalore

Oct 2020 – Dec 2021

- Optimized **SQL queries** and data models for Power BI dashboards.
- Developed automated reporting solutions processing **large datasets**.
- Resolved data connectivity issues across diverse sources (SQL/NoSQL)

Education

Bachelor of Engineering (B.E.) in Computer/Information Science

SKSVMA College of Engineering and Technology, Lakshmeshwar

Aug 2016 – Aug 2020

CGPA: 6.38

Pre- University College in Science

Government pre-university college, Lakshmeshwar

Mar 2014 - Apr 2016

Percentage: 65%

Certifications

- **Microsoft Certified:** Azure Fundamentals
- **AWS Certified Developer** – Associate (Expected 2025)
- **Self-Learning:** AI Fundamentals, Prompt Engineering, TensorFlow

Projects & Achievements

Project Duration:

October 2020 – December 2021

- Contributed to a team by solving the **tickets** and support system using **Power BI** for real-time analytics.
- Resolved critical **data visualization** issues and ensured seamless user experience.
- Worked closely with **end-users** to understand business requirements and design **dashboards** accordingly.

January 2022 – August 2022

- Designed and developed scalable .NET-based web applications for government-facing portals, improving performance and maintainability.
- Integrated **Azure AI services** and **OpenAI APIs** to develop intelligent document classification and summarization features, enhancing decision support systems.
- Worked with **LLM-based solutions** and explored **RAG (Retrieval-Augmented Generation)** architecture for context-aware chatbot implementation within the public grievance redressal system.
- Implemented basic **Semantic Kernel** functionalities to streamline prompt engineering and context memory handling for agent-based workflows.

- Contributed to an experimental **Agentic AI** prototype to assist case workers in automating form processing and response generation using a "**chain of thought**" **reasoning** approach.
- Ensured security and compliance standards were met, and supported production deployments using CI/CD pipelines on Azure DevOps.
- Collaborated closely with cross-functional teams to deliver innovative e-governance solutions.
- Applied **Data Structures & Algorithms** for efficient processing and **Docker** and **Git** for containerization and version control.

September 2022 – October 2024

- Built scalable desktop applications for **WinGrinder**, **WinLoader** and **MillConfig** using **C#**, **.NET Core**, **WPF**, **Python** and **MySQL Server**.
- Implemented **microservices architecture** with efficient **REST API** communication
- Led unit testing and **CI/CD** practices, achieving 95% deployment success rate.

Personal Interests

- Geo-politics, Current world affairs.
- Playing Badminton/Cricket
- Creating YouTube Shorts on history-related facts.

Personal Details

Father Name: Neelappa M Kadadi

Mother Name: Lalita Kadadi

Date of Birth: 27-02-1997

Languages Known: Kannada, English, Hindi

Nationality: Indian

Current Address: #32, near Basava temple, Adarakatti, Tq. Lakshmeshwar, Dist. Gadag, Karnataka - 582116, India

Declaration

I hereby declare that the above information is true to the best of my knowledge.

Place: Lakshmeshwar

Umesh N Kadadi

Date: 01-06-2025