

PRASAD DHARASKAR

Hyderabad, Telangana - India

☎ +91-9022697150

✉ prasaddharaskar10@gmail.com

🌐 [Prasad Dharaskar](#)

🔗 [prasadgd9022](#)

Summary

AI-focused Software Engineer building scalable cloud-native and agentic AI applications on Azure using Python, C#/.NET, Node.js, and React. Experienced with Azure AI Foundry, Azure OpenAI (GPT-4o), custom MCP tools/servers, and agent frameworks that orchestrate Foundry-deployed models into production services. Skilled in distributed data pipelines (Spark, Kafka, Hadoop, Hive, Airflow), Azure Functions, and secure, observable microservices, with a strong DSA/OOP foundation and a track record of automation and reliability improvements.

Education

Indian Institute of Information Technology, Pune
Bachelor of Technology (Computer Science and Engineering)

Dec 2021 – Jun 2025

CGPA - 7.56

Experience

MAQ Software

Software Engineer 1

Hyderabad, India

Jul 2025 – Present

- Contributed to a LinkedIn contractor engagement, delivering production-grade features across full-stack and data platforms.
- Built an AI-powered support assistant on Azure AI Foundry integrating Classifier and Knowledge Search agents with Azure OpenAI (GPT-4o) and AI Content Safety to deliver grounded, safe responses.
- Designed and built custom MCP (Model Context Protocol) tools/servers callable directly from Azure AI Foundry agents, enabling the assistant to invoke enterprise actions and data sources as first-class tools.
- Integrated an agent framework to consume Foundry-deployed models within an App Service backend, effectively giving the App Service a "brain" that orchestrates reasoning, tool calls, and grounded responses.
- Developed Azure Function Apps (custom MCP Server + indexing pipeline) to sync Dataverse tables into Azure AI Search, exposed via an App Service streaming chat endpoint (`/api/chat/stream`) consumed by a Power Platform portal.
- Secured services with Entra ID and Managed Identity; instrumented Application Insights telemetry for latency, conversations, and response quality.
- Operated as SRE owning host health, provisioning, and OS upgrades; migrated multi-product MAAS URLs (MAAS2→MAAS3) and built GitHub Actions CI/CD onboarding services to C30 coverage policies.
- Built a Jupyter Notebook extension to securely query HDFS/Hive via Py4J, with headless service-account auth, packaged and tested using Docker.
- Developed a Python automation tool that cloned 100+ models and applied DBT configurations, streamlining UMP→inDBT migration and saving 40 hours/month of manual effort.

MAQ Software

Associate Software Engineer

Hyderabad, India

Jan 2025 – Jun 2025

- Delivered full-stack features using C#, .NET, ASP.NET Core, React.js, and Node.js with clean, maintainable code.
- Designed batch and real-time data pipelines with Hadoop, HDFS, Kafka, Spark, PySpark, Hive, and Airflow DAGs; automated ingestion (Kafka→HDFS→Hive) and used Linux shell scripting for ETL automation and debugging.

Projects

Agentic AI Assistant on Azure AI Foundry | *Azure AI Foundry, MCP, Agent Framework, App Service*

2025

- Built custom MCP tools/servers callable via Azure AI Foundry, exposing enterprise data and actions as agent-invokable tools.
- Used an agent framework to orchestrate Foundry-deployed models inside an App Service backend, adding reasoning and tool-calling to power a grounded, streaming chat experience.

Weed Detection using YOLOv9 | *Deep Learning, Computer Vision, Python*

Mar 2024

- Built a real-time object detection model with YOLOv9 (Python, Kaggle, Colab) for precision agriculture, using data augmentation and fine-tuning to improve detection accuracy.
- Integrated the model into a reproducible training and inference pipeline to optimize crop management workflows.

Sentiment Analysis on YouTube Comments | *Machine Learning, NLP, Python*

Nov 2023

- Built and deployed an NLP model (Python, Colab) on web-scraped comments using polarity/subjectivity scoring, improving sentiment prediction accuracy by 15%.
- Curated a multilingual dataset spanning 15+ languages for inclusive, region-aware sentiment analysis.

Technical Skills

Languages: C++, C#, Python, JavaScript, TypeScript, SQL

Cloud & AI: Azure, Azure AI Foundry, Azure OpenAI (GPT-4o), Azure AI Search, Azure Functions, App Service, Application Insights, Entra ID, Managed Identity, AI Content Safety, MCP (Model Context Protocol), Agent Frameworks

Big Data & ETL: Hadoop, HDFS, Spark, PySpark, Kafka, Hive, Airflow, DBT

Web & Backend: ASP.NET Core, .NET, React.js, Node.js, Express.js, REST APIs, HTML, CSS

Databases: SQL Server, MySQL, MongoDB, Dataverse

DevOps & Tools: Git, GitHub Actions, Docker, CI/CD, Linux, Shell Scripting, Postman, Jupyter, VS Code

Foundations: Data Structures & Algorithms, OOP, DBMS, OS, Computer Networks, SDLC, Agile

Achievements

- Solved 800 plus DSA problems on LeetCode and GeeksforGeeks. [\[LeetCode\]](#) [\[GFG\]](#)
- Certifications: Microsoft Certified — Azure AI Apps & Agents Developer Associate (AI-103), AI Agent Builder Associate (AB-620), Fabric Data Engineer Associate (DP-700), and Fabric Analytics Engineer Associate (DP-600); GitHub Copilot Certified (GH-300).
- Ranked in the top 2.8% of JEE 2021 among 1M+ candidates.