

PRAJWAL DEOTARE

Pune | 8668853107 | prajwaldeotare673@gmail.com | [linkedin.com/in/prajwal-deotare](https://www.linkedin.com/in/prajwal-deotare) | github.com/Prajwal-Deotare

PROFESSIONAL SUMMARY

AI Engineer specializing in Generative AI, Agentic AI, Microsoft Copilot Studio, and Azure AI Foundry, with a strong foundation in artificial intelligence and machine learning. Experienced in developing intelligent AI agents and LLMpowered solutions using Copilot Studio, Azure AI Foundry, Azure AI services, and Microsoft Power Platform. Skilled in agent orchestration, LLM integration, workflow automation, Python, machine learning, data engineering, and API integration, with a focus on building scalable enterprise AI solutions.

PROFESSIONAL EXPERIENCE

AI Engineer — Encloud Tech Solutions

Apr 2026 – Present

- Developed Power Automate workflows and Dataverse data models supporting an enterprise AI-agent ecosystem.
- Contributed to the Enterprise Service Agent (ESA), a central orchestrator connecting specialized agents for talent acquisition, onboarding, asset management, leave management, and ticket management.
- Built the resume-screening workflow for the Talent Acquisition Agent: email intake, attachment/text extraction, AI-based job matching and candidate analysis, candidate summary/score, Dataverse storage, and HR notification.
- Automated employee onboarding workflows, including Microsoft Entra ID creation, software-license assignment, and coordination of downstream onboarding activities.
- Designed Adaptive Cards and integrated Microsoft Teams for interactive notifications and business-process updates; used Outlook for automated notifications.
- Worked with Power Apps, Copilot Studio, Dataverse, Microsoft Planner, Teams, and Microsoft Entra ID to deliver enterprise automation solutions.

FEATURED PROJECTS

Enterprise Service Agent (ESA) — Encloud Tech Solutions

- Built workflow components for an enterprise AI-agent architecture that orchestrates HR and employee-service processes through specialized agents.
- Implemented resume screening and onboarding automation, integrating AI analysis, Dataverse, Power Automate, Teams, Adaptive Cards, Outlook, and Microsoft Entra ID.
- Automated candidate data processing and HR notifications while maintaining structured process data in Dataverse.

Predictive Analyst AI Agent — Encloud Tech Solutions

- Designed an AI agent that converts uploaded sales/financial spreadsheets into historical analysis, forecasts, and business recommendations, delivered via chat, Word report, or PowerPoint presentation.
- Built automated data validation and cleansing to catch missing values, duplicates, and inconsistent dates, with a plain-language summary of issues found and corrected.
- Implemented a forecasting engine that tests multiple modeling approaches against historical data and automatically selects the most accurate one, reporting accuracy and limitations alongside each forecast.
- Enabled natural-language forecast requests and one-click generation of polished Word/PowerPoint reports directly from confirmed chat analysis.

ACADEMIC / INDUSTRIAL PROJECT

Machine Failure Detection using Machine Learning — Industrial Project Jun 2025 – Sep 2025 • Developed a predictive maintenance system using sensor and operational data to identify machine-failure risk.

- Performed data cleaning, normalization, exploratory data analysis, and feature engineering to identify failure patterns.
- Built and evaluated Random Forest, Logistic Regression, and Gradient Boosting models using accuracy, precision, recall, and confusion matrices.
- Developed a Flask/Dash interface for live predictions, risk-level assessment, visualizations, performance trends, and feature importance.

Technologies: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Flask, Dash, Jupyter Notebook

ADDITIONAL PROJECTS

Weather App

Python, Requests, Weather API, JSON

- Built a Python application that retrieves real-time weather data by city and displays temperature, humidity, weather conditions, and wind speed.

IoT-Based Automated Lighting Control System

Arduino Uno, Embedded C, PIR Sensor, Bluetooth

- Developed a motion-activated smart lighting system with Bluetooth remote control and manual override to improve energy efficiency.

TECHNICAL SKILLS

- AI & Agentic AI: AI Agents, Agentic AI, LLM Integration, Machine Learning
- Microsoft & Azure: Azure AI Foundry, Azure OpenAI, Copilot Studio, Power Automate, Power Apps, Dataverse, Microsoft Teams, Microsoft Entra ID, Adaptive Cards, Microsoft Planner, Microsoft Outlook
- Programming: Python, C/C++, SQL, JavaScript
- Web & Data: HTML/CSS, ReactJS, MySQL, ETL Processes, ETL Pipelines, Data Pipelines, Schemas
- Libraries & Frameworks: NumPy, Pandas, Matplotlib, Seaborn, Flask, FastAPI, Streamlit
- Tools: Git, GitHub, Power BI, Microsoft Excel, Figma, MySQL Workbench, Cisco, Arduino Uno

CERTIFICATIONS

- Microsoft Certified: Azure AI Apps and Agents Developer Associate — 2026
- Microsoft AI and ML Engineering — Coursera, Mar 2025
- Green Skills and Artificial Intelligence — Skills4Future Program, Sep 2025

RESEARCH & ACHIEVEMENTS

- 2nd Place — University-Level IoT Hackathon.
- Research Paper: IoT-Based Home Automation — smart-device integration, remote control, and energy-efficient system design.
- Research Paper: Blockchain-Based E-Voting System with Facial Recognition — biometric authentication, secure vote recording, and tamper-resistant election processes.

EDUCATION

B.Tech in Computer Science & Engineering — Vishwakarma University, Pune

2022 – 2026

CGPA: 8.36