

Shrimayee Umesh Deshpande

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Education

University of Florida Expected 2027
M.S. in Artificial Intelligence Systems

Vellore Institute of Technology, Chennai 2019–2023
B.Tech. in Electronics & Computer Engineering, CGPA: 8.66

Skills

Programming & Frameworks: Python (pandas, NumPy, scripting), SQL, Flask, Django, Streamlit, REST APIs, Shell Scripting

Data & ML Tools: Data Analysis, Machine Learning, Trustworthy ML, Power BI, Grafana

Cloud & Automation: Azure, AWS, Ansible, AWX, CI/CD, Git, API Integration

Soft Skills: Leadership, Problem Solving, Analytical Thinking, Collaboration, Adaptability, Communication

Projects

AgileAI – Sprint Insights Generator

- Building an AI agent for agile teams to analyze sprint history and provide insights on workload distribution, velocity, and dependencies.
- Leveraging LLM, NLP, and other ML models to generate risk flags and optimization suggestions, aiming to improve sprint predictability by reducing planning overhead.

VivaluaTe – Subjective Answer Grader Tool

- Created a Django web app that accepts scanned exam answer sheets, converts them to text with OCR, and grades using cosine similarity on a keyword-based rubric.
- Enabled near-automated grading of subjective questions, reducing teacher evaluation time by **40%** while maintaining high accuracy compared to manual grading.

Work Experience

BlackRock – Analyst Software Engineer Jul 2023 – Aug 2025

- **Automated Client Onboarding:** Streamlined a large-scale onboarding workflow spanning 200+ nodes, increasing automation from 60% → 95%. Reduced human error rates by 30% and improved build score to 92%, enabling faster client environment readiness.
- **CI/CD Pipeline for Application Servers:** Developed a Python-based onboarding server integrated with Azure Pipelines to enforce governance checks and trigger automated deployments. Reduced setup time by 60%, enhanced compliance, and supported real-time performance monitoring via Grafana.
- **Discrepancy Audit Tool:** Built a pandas- and SQL-driven discrepancy monitoring system to detect configuration drifts across production environments. Saved **4 FTE** worth of manual audit effort by automating discrepancy analysis and improving proactive issue detection.

Achievements

- Runner-up, **BlackRock Learning League 2024** — Led “Fintech Pioneers” across Singapore, Gurgaon, and Bangalore; achieved top 10 in Data Engineering (200+ participants).
- Designed a Python + PowerBI solution for portfolio analytics, enabling DoD/MtD/YtD risk analysis, adopted by global teams for faster insights.

Certifications

- Microsoft Azure Fundamentals (AZ-900)
- DataCamp Data Engineering
- IoT Certification, Verzeo (2020)