

Darryl Vas Prabhu

+1(716) 936-4735 | darrylvp@outlook.com | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)

EDUCATION

University at Buffalo, New York, USA

Aug 2022 - Dec 2023

Master of Science: Computer Science and Engineering

Visvesvaraya Technological University, Udupi, India

Aug 2013 - May 2017

Bachelor of Engineering: Electronics and Communication

PROFESSIONAL EXPERIENCE

Dell Technologies, Bengaluru, India

Aug 2019 - Jun 2022

Enterprise Storage Analyst 2

- Conducted Root Cause Analysis on Storage latency/outages affecting 90% of enterprise customers; engineered solution with escalation team, reducing related service requests by 85%.
- Led mentorship program for junior engineers on performance optimization techniques, improving team efficiency by 25%.
- Authored technical product Knowledge Base articles/documentation, decreasing time-to-resolution by 20%.
- Received [Dell Inspire awards](#) for 99% positive customer experience, directly influencing customer infrastructure investments.

Dell Technologies, Bengaluru, India

Jul 2017 - Jul 2019

Enterprise Storage Analyst

- Automated log analysis using Regex tools (grep, awk, sed) and Python scripts, enabling problem resolution within 24-48 hours.
- Spearheaded cross-functional collaboration with VMware, Linux, Cisco, and Oracle teams to develop workarounds on SCSI, latency and disaster recovery incidents within Service Level Agreements (SLAs), rebuilding trust with key stakeholders.
- Directed on-site engineers during the deployment of data center storage-virtualization solutions.

PROJECTS

Retrieval Augmented Generation (RAG) chatbot: [PyTorch](#) | [LLM](#) | [HuggingFace](#) | [Faiss](#) | [Python](#) | [NLP](#) [\[Link\]](#)

- Designed and implemented context-based question-answering system incorporating sentence transformer (all-mpnet-base-v2), Mistral AI's Mistral-7b-Instruct-v0.2, and Meta's Faiss search index.
- Customized PDF processing pipeline, enabling multi-document model understanding of 1000+ pages using model quantization.

Info-Extractor: [Google Gemini API](#) | [Generative AI](#) | [Streamlit](#) | [Python](#) [\[Link\]](#)

- Developed a web application that extracts information from uploaded images and generates responses based on input prompts.
- Integrated Google's language model (gemini-1.5-flash) with 1-million-token context window, designed to be fast and efficient.
- Coded interface using Streamlit, and deployed application on Streamlit Community Cloud cutting development time by 50%.

Sports Performance Pro Web Application: [Python](#) | [HTML](#) | [CSS](#) | [JavaScript](#) | [JSON](#) | [Figma](#) | [Flask](#) | [MySQL](#) | [AWS](#) [\[Link\]](#)

- Engineered a multi-dashboard workout tracker for universities, serving coaches and athletes, enhancing performance management for 100+ users.
- Employed asynchronous data handling using Fetch API and AJAX, reducing data retrieval from MySQL database by 30%.
- Led iterative software development process with client feedback, peer code review, testing and managing 50+ GitHub Issues/Enhancement requests, thus resulting in 95% positive user experience.
- Deployed and hosted the application on AWS EC2 instance, delivering a scalable solution to the client.

Multi-Client Transmission Control Protocol Chat application: [C](#) | [Debugging](#) | [Socket programming](#) | [TCP/IP](#) [\[Link\]](#)

- Developed Client-Server multi-chat CLI application with 4 clients and 1 server using socket programming.
- Implemented user authentication, individual messaging, message blocking, and broadcasting features.

SKILLS

Programming Languages:

[Python](#) | [JavaScript](#) | [C](#) | [C++](#)

Databases:

[MongoDB \(NoSQL\)](#) | [PostgreSQL](#) | [MySQL \(SQL\)](#)

Frameworks/Packages:

[PyTorch](#) | [LangChain](#) | [NumPy](#) | [Pandas](#) | [Scikit-learn](#) | [Matplotlib](#) | [Streamlit](#) | [Flask](#) | [React](#)

Tools/Technologies:

[Deep Learning](#) | [Artificial Intelligence](#) | [LLM](#) | [RAG](#) | [HuggingFace Transformers](#) | [Cloud](#) | [Docker](#) | [Wireshark](#) | [Git](#) | [Linux/Unix](#) | [REST API](#) | [Data Structures](#) | [Algorithms](#) | [Research](#) | [Debugging](#)

CERTIFICATIONS

- Microsoft Certified: [Azure AI Fundamentals](#) | [Azure Fundamentals](#)
- Oracle Certified: [OCI Generative AI Professional](#)
- Intel Certified Developer: [MLOps Professional](#)
- MongoDB Certified: [Associate Developer](#)