

JEMIL DHARIA

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EDUCATION

Arizona State University, Tempe

May 2026

Master of Science in Computer Science

GPA: 4.00/4.00

- Relevant Coursework: Foundations of Algorithms, Advanced Graphics, Cryptography, Statistical Machine Learning, Blockchain, Cloud Computing, Information Assurance & Security

Pandit Deendayal Energy University, India

May 2024

Bachelor of Technology in Computer Engineering

CGPA: 9.91/10.00

PROFESSIONAL EXPERIENCE

Mesh Labs - ASU

August 2025 – Present

XR Developer Intern – Unity Netcode, C#, Meta Quest, XR Toolkit, GitHub Copilot

Tempe, Arizona

- Built a unified XR networking platform that uses UDP discovery, lobby-based sessions, heartbeat-based connection management, and HTTP range streaming to deliver large media assets from a host headset to peers on the same LAN.
- Developed a real-time interaction tracking system for a Meta Quest medical simulation, implementing logic to capture and validate student performance metrics for automated triage scoring.
- Ported a desktop Pre-Veterinary simulation to Meta Quest VR using Unity XR Toolkit, refactoring input systems and scene interactions, enabling classroom deployment for active university coursework.

PIRT Labs - ASU

August 2024 – May 2025

Teaching Aide – Physics, Python, data analysis, PowerBI, Canvas, Lab instrumentation

Tempe, Arizona

- Managed physics laboratory operations including equipment setup, safety compliance, and troubleshooting of technical issues.
- Delivered personalized academic support to a cohort of 72 students, driving a 20% improvement in lab performance scores.
- Analyzed 500+ lab reports per semester, identifying trends using PowerBI dashboards to enhance lab performance by 25%.

Aasma Technology Solutions

January 2024 – July 2024

Data & Web Engineer Intern – React.js, Node.js, Contentful, Firebase, GitHub, CI/CD, Agile

Ahmedabad, India

- Designed and deployed a 10+ page company website using React.js and Node.js, managing content through Contentful CMS and optimizing performance to achieve a 35% reduction in page load times.
- Integrated the Contentful API directly into the frontend, reducing API latency by 30% and cutting resource loading time from 2.8s to 1.9s, while streamlining CI/CD pipelines via GitHub Actions to improve deployment efficiency.
- Wrote functional tests using Jest and Postman to catch UI bugs and API issues before release, reducing post-deployment fixes.

Capgemini

June 2023 – July 2023

Software Developer Intern – Python, Flask, Node.js, ABHA APIs, HL7, AWS Lambda, Agile

Gandhinagar, India

- Built a Python-Flask library to streamline 20+ ABHA APIs for healthcare records, reducing integration time by 30%.
- Engineered a reusable wrapper module linking the M1 (Registration) and M2 (Verification) ABHA APIs, improving API response efficiency by 15% while ensuring healthcare data protocol compliance.
- Led a 5-member team to unify Node.js and Python backends, improving system performance and data protocol compliance.
- Integrated Flask APIs into a Node.js-based UI to enhance usability and demonstrated project outcomes through presentations.

PROJECTS

MarketPulse – Event-Driven Financial Intelligence System (Link)

April 2026

- Engineered a real-time Kafka ingestion pipeline in Python to continuously stream live stock ticks and news headlines, processing data across configurable 60-minute rolling windows for concurrent signal detection.
- Developed an automated correlation engine that triggers on customizable thresholds — a $\geq 2.0\%$ price deviation paired with concurrent news — to surface real-time price-news relationships for personal investment research.
- Integrated a local LLM agent (Ollama) to autonomously generate analyst-grade market summaries and 768-dimensional vector embeddings, storing enriched reports in PostgreSQL (pgvector) for low-latency semantic search.

GenAI-LLM Job Analyzer using Langchain and Groq (Link)

February 2026

- Architected a full-stack AI powered job analysis tool that extracts role metadata, flags strict visa/citizenship constraints, and identifies skill gaps via bi-directional resume-to-job matching from live job posting sites.
- Optimized LLM context efficiency by restructuring the prompt strategy, reducing token consumption by 50% (4,000 $\rightarrow$ 2,000 tokens) without compromising analysis depth or output quality.
- Integrated ChromaDB vector search to retrieve relevant resume context, significantly reducing cold outreach drafting time.

Cloud-Based ETL Pipeline using AWS and Apache Airflow

April 2025

- Built a cloud-based ETL pipeline using Apache Airflow to extract 5-day/3-hour interval weather forecast data, storing 400+ records in Amazon S3 and orchestrating automated DAG runs throughout development.
- Transformed raw data using AWS Glue and loaded it into Amazon Redshift for SQL-based forecasting and analysis, improving KPI tracking efficiency by 40% and maintaining a 99% DAG run success rate.

TECHNICAL SKILLS

Languages: Python, C++, C, C#, Java, JavaScript, TypeScript, HTML, CSS, MATLAB

Web Dev: NodeJS, ReactJS, NextJS, Express.js, Flask, FastAPI, Django, Streamlit

Cloud, DevOps & DBs: AWS, Azure, Docker, Kafka, CI/CD pipelines, Git, Firebase, PostgreSQL, MongoDB

Data Science, ML & BI: TensorFlow, Databricks, Spark, Pandas, NumPy, Matplotlib, Tableau, Power BI

AI & Systems: Retrieval Augmented Generation, LangChain, Vector Databases, Coding agents (Claude Code, Copilot)