JEMIL DHARIA

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EDUCATION

Arizona State University — Tempe, Arizona
Master of Science in Computer Science, GPA: 4.00/4.00 — *May 2026*
- Relevant Coursework: Foundations of Algorithms, Advanced Graphics, Cryptography, Statistical Machine Learning, Cloud Computing, Info Assurance & Security

Pandit Deendayal Energy University — Gandhinagar, India
Bachelor of Technology in Computer Engineering, CGPA: 9.91/10.00 — *August 2020 – May 2024*

PROFESSIONAL EXPERIENCE

XR Developer Intern — Arizona State University
Tempe, Arizona – Unity Netcode, C#, Meta Quest, XR Toolkit, Coda, Asana — *August 2025 – Present*
- Implemented and tested Synthetic Team Training Simulation in Unity with Meta Quest to validate clarity in XR scenes.
- Scripted dynamic headset height logic and synchronized dialogue timelines to ensure accurate user perspective and audio pacing.
- Transformed a desktop Pre-Veterinary simulation into a fully immersive VR experience, collaborating with faculty to deploy the application directly into the curriculum for active university coursework and student training.

Teaching Aide – Physics — Arizona State University
Tempe, Arizona – Physics, Python, data analysis, PowerBI, Canvas, Lab instrumentation — *August 2024 – May 2025*
- Oversaw physics laboratory operations, including equipment setup, safety compliance, and troubleshooting technical issues.
- Provided individualized assistance to a class of 72 students, enhancing student lab performance scores by 20%.
- Analyzed 500+ lab reports per semester, identifying patterns using data-driven insights and enhancing lab performance by 25%.

Data & Web Engineer Intern — Aasma Technology Solutions
Ahmedabad, India – React.js, Node.js, Contentful, Firebase, GitHub, CI/CD pipelines, Agile — *January 2024 – June 2024*
- Designed and deployed the company's website using React.js for the frontend and Node.js for the backend containing 10+ pages, managing the database through Contentful, guaranteeing reduced page load times by 35%.
- Integrated Contentful API directly into frontend, reducing API latency by 30% and cutting resource loading time from 2.8 seconds to 1.9 seconds while contributing to CI/CD improvements with GitHub that enhanced deployment efficiency.
- Adhered to the Agile Software Development Life Cycle with weekly sprints, achieving a 100% sprint completion rate.

Software Developer Intern — Capgemini
Gandhinagar, India – Python, Flask, Node.js, ABHA APIs, HL7, Healthcare Compliance, AWS Lambda — *June 2023 – July 2023*
- Constructed a Python-Flask library to streamline 20+ ABHA APIs for healthcare records, reducing integration time by 30%.
- Built a wrapper class as a reusable module linking the M1 (Registration) and M2 (Verification) ABHA APIs, achieving a 15% improvement in API response efficiency and securing 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

GenAI-LLM Job Analyzer using Langchain and Groq (Link) — February 2026
- Architected a full-stack AI powered analysis tool that extracts role metadata, flags strict visa/citizenship constraints, and identifies skill gaps via bi-directional matching from a dynamic job posting site.
- Optimized LLM context efficiency by restructuring the prompt strategy, successfully decreasing token consumption by 50% (4,000 → 2,000) without compromising analysis depth.
- Integrated ChromaDB vector search to retrieve relevant resume context, significantly reducing drafting time for outreach.

ASU-ccessful Match – Zoom Campus Spark Challenge (Link) — May 2025
- Developed a peer-learning platform leveraging the Zoom API to automate virtual study session creation and management, incorporating personalized peer/tutor matching, one-click automated scheduling, and resource sharing.
- Engineered an expert eligibility feature using the Zoom Poll API, qualifying students scoring 80%+ on polls to host peer tutoring sessions and facilitate knowledge sharing.

Cloud-Based ETL Pipeline using AWS and Apache Airflow — March 2025 – April 2025
- Built a cloud-based ETL pipeline using Apache Airflow to extract 5-day/3-hour forecast weather data, storing 400 records in Amazon S3 and orchestrating DAG runs during development.
- Transformed data using AWS Glue and loaded into Amazon Redshift for SQL-based forecasting and analysis, improving KPI tracking by 40% and achieving 99% DAG run success.

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, CI/CD pipelines, Git, Firebase, PostgreSQL, MySQL, MongoDB
Data Science, ML & BI: TensorFlow, Databricks, Spark, Pandas, NumPy, Matplotlib, Tableau, Power BI
Core Competencies: Agile/Scrum, Data Analysis & Storytelling, Process Improvement, Leadership, Team Collaboration