Jemil Dharia

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Education

Arizona State University — Tempe, Arizona
Master of Science in Computer Science, GPA: 3.94/4.00 — *May 2026*
– Relevant Coursework: Foundations of Algorithms, Advanced Graphics, Cryptography, Statistical Machine Learning, Cloud Computing, Info Assurance & Security

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

Skills

Languages: Python, C++, C, C#, Java, JavaScript, HTML, CSS, Matlab
Web Dev: NodeJS, ReactJS, NextJS, Express.js, Flask, FastAPI, RESTful APIs
Cloud, DevOps & DBs: AWS, Azure, Docker, CI/CD pipelines, Git, Firebase, PostgreSQL, MySQL, MongoDB Atlas
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

Technical Experience

Data & Web Engineering Intern — Aasma Technology Solutions
Ahmedabad, India — *January 2024 – June 2024*
– Designed and devised 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 contributed 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 Development Intern — Capgemini
Gandhinagar, India — *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.

Additional Experience

XR Technical Internship – Mesh Labs — Arizona State University
Tempe, Arizona — *August 2025 – Present*
– Implemented and tested player labeling in Unity with Meta Quest headsets to validate clarity in multiplayer XR scenes.
– Evaluated immersive XR simulations to ensure consistency, usability, and smooth interaction across multiple environments.
– Assisted in developing multiplayer medical training features with Unity Netcode and XR Toolkit, leveraging C# scripting to build scalable, maintainable functionality for real-time collaboration.

Teaching Aide – Physics Lab — Arizona State University
Tempe, Arizona — *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%.

Projects

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.

GenAI-LLM Email Generator using LangChain, Groq (Link) — March 2025 – April 2025
– Conceived and deployed a generative AI system to automate personalized email creation by scraping job descriptions, optimizing extraction to exclude headers and non-relevant sections.
– Leveraged LangChain, Groq LLM, and ChromaDB for RAG-based semantic retrieval, achieving an 80% reduction in drafting time across 50+ test cases via dynamic prompt tuning and portfolio integration.

Cloud-Based ETL Pipeline using AWS and Apache Airflow — March 2025 – April 2025
– Built and deployed 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.