JEMIL DHARIA

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Linkedin | GitHub | Portfolio

EDUCATION

Arizona State University   Tempe, Arizona
Master of Science in Computer Science, GPA: 3.94/4.00   *May 2026*
- Relevant Coursework: Foundations of Algorithms, Cloud Computing, Advanced Graphics, Statistical Machine Learning, Cryptography, 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, Java, JavaScript, Dart, 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 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.

ADDITIONAL EXPERIENCE

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.