JEEL VIPULBHAI KAKADIYA

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PROFESSIONAL SUMMARY

Graduate student in Information Technology with practical experience in software development, backend systems, and automation. Skilled in Python, SQL, and building web applications, APIs, and data pipelines. Familiar with deploying applications on AWS and working with tools like Docker, Git, and JIRA. Strong at writing clean code and building reliable software to solve real-world problems.

EDUCATION

Arizona State University **January 2024 - May 2026**
Master's, Information Systems *GPA: 3.98*

Gujarat Technological University **June 2020 - June 2024**
Bachelor's, Information Systems *GPA: 3.75*

PROFESSIONAL EXPERIENCE

Arizona State University **Tempe, AZ, USA**
Software Developer *May 2025 - Present*

- Contributed to multiple university software initiatives by writing backend code, automating workflows, and supporting AWS
- based infrastructure.
- Built a Python-based backend system to automate weekly report generation for 500+ staff, reducing manual work by 80% using AWS Lambda and S3.
- Integrated GraphQL and REST APIs to fetch project data and developed error-handling logic, cutting system failures by 75%.
- Worked closely with developers, stakeholders, and project leads to define technical requirements and track over 30+ tasks using JIRA in agile sprint cycles.

Arizona State University **Tempe, AZ, USA**
Teaching Assistant *March 2025 - May 2025*

- Delivered lectures and facilitated lab sessions for 80+ students in wellness and human physiology, using Canvas, Google Slides, and interactive tools to boost engagement and learning outcomes.
- Managed grading and academic workflows with Canvas, JIRA, and Trello, and created automated gradebooks and study materials using Excel, Google Apps Script, and Canva, saving 5–7 hours of manual effort weekly.

VBI Infotech **Surat, GJ, India**
Software Engineer Inter *January 2024 - June 2024*

- Built Python scripts and internal tools to generate real-time business metrics, improving system access for stakeholders and increasing platform engagement by 35%.
- Developed machine learning powered backend features using Scikit-learn to enhance ad targeting logic, contributing to a 30% increase in user conversion rates.
- Engineered SQL-based data pipelines and designed a star-schema data warehouse to support location analytics, improving data access speed by 30% and helping the company identify high-opportunity areas, resulting in a 40% increase in successful store launches.

PROJECTS & OUTSIDE EXPERIENCE

AI for Overall Survival Prediction of Brain Tumor Patients **Tempe, AZ, USA**
January 2025 - May 2025

- Identified critical clinical factors from medical data to support prognosis decisions in brain tumor cases.
- Applied Graph Neural Networks (GNN) and Random Forest Regression (RFR) on BraTS 2020 dataset with 1270 features and
- 118 samples.
- Achieved prediction accuracy of 97.4% (Rho: 0.983) with GNN and 53.8% (Rho: 0.754) with RFR.

SKILLS

Languages & Frameworks: Python, JavaScript, TypeScript, React.js, HTML/CSS
Cloud & DevOps: AWS (Lambda, EC2, S3), Google Cloud Platform, Azure, Docker
Tools: GitHub, Git, VS Code, Postman, JIRA
Concepts: REST APIs, OOP, Unit Testing (PyTest, JUnit), Agile, SQL
Big Data: Apache Spark, Hadoop