Saurin Prajapati

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EDUCATION

Arizona State University, Tempe, AZ, USA — **August 2024 - May 2026**
Master's, Computer Science — *GPA: 4.0/4.0*
Courses: Statistical Machine Learning, Distributed Database Systems, Data Mining, Cloud Computing

Institute of Technology, Nirma University, Ahmedabad, India — **July 2019 - June 2023**
Bachelor's, Computer Science and Engineering — *GPA: 3.4/4.0*
Courses: Machine Learning, Data Mining, Data Structures, Linear Algebra, Calculus, Probability and Statistics

EXPERIENCE

Quintics Management Consultancies — **January 2023 - July 2024**
Lead Business Analyst, Health Crises Dashboard — *Dubai, United Arab Emirates*

- Developed an AI-driven Health Crises Dashboard using **SAS**, **Python** and **MySQL**, optimizing data processing and decision-making across national facilities.
- Automated data pipelines and integrated critical health data from various sources, reducing manual intervention and increasing efficiency.
- Led the design of **SAS Viya**-based solutions for KPI creation and dashboard deployment.
- **Key achievements:**
  - **Analytical prowess:** Constructed and optimized **Python ETL logic**, achieving a 40% increase in data processing efficiency and reducing overall project delivery time by 20%.
  - **Documentation, Technical writing and Communication:** Reduced project kickoff time by 25% through precise documentation and client alignment.

Business Analyst, IFRS 9 Implementation for a Bank — *Hanoi, Vietnam*

- Led the automation of financial reporting using **Python** modules in conjunction with **SAS**, ensuring compliance with IFRS 9 standards for a Vietnamese bank.
- Built and **optimized Python scripts** for automating Classification, Measurement, and Impairment calculations, drastically reducing manual errors and reporting times.
- Played a key role in integrating IFRS 16 processes, leveraging **Python** and **SQL** for data extraction and manipulation.
- Delivered workshops to bank staff, covering the automation processes and use of **Python for financial analytics**, enabling smoother transitions to the new reporting system.
- Collaborated with cross-country teams to maintain continuous improvements in the system, troubleshooting **Python-SAS integration** issues.
- **Key achievements:**
  - **Documentation and Technical writing:** Improved solution stability by 35% through robust testing and **Python-SAS integration**.
  - **Time management:** Led the project to 100% on-time delivery as the SAS MIP Lead, contributing to the bank's financial compliance success.

Analyst Intern, Behavioral Credit Risk Scorecard — *Ahmedabad, India | Noida, India*

- Utilized various **Python** and **Machine Learning** techniques to analyse trends in customer portfolio data for a Bank to develop a Behavioural Credit Risk Scorecard.
- Played a key role in developing a Behavioral Credit Risk Scorecard, increasing the bank's risk prediction accuracy by 30%.
- **Key achievements:**
  - **Dedication and Ethics:** Recognized for dedication and performance, leading to a full-time offer at a higher role.
  - **Communication:** Delivered solutions within 10% of project deadlines through effective client engagement.

Tecblic Pvt Ltd — **June 2022 - August 2022**
AI/ML Intern — *Ahmedabad, India*

- Researched and implemented **machine learning** models using **Python**, achieving a 25% improvement in model accuracy.
- Developed a Proof of Concept (POC) for **Computer Vision** applications, meeting all project requirements ahead of schedule.
- Collaborated with senior data scientists to refactor **Python** code for efficiency, improving processing speeds by 30
- **Key achievements:**
  - **Driving efficiency:** Improved project timelines by 30% through effective time management and Python script optimization.

TECHNICAL SKILLS

Programming languages: Python, Java, C, C++, SAS Base, R, JavaScript
Data Science: PyTorch, Tensorflow, Tableau, MySQL, PostgreSQL, Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn
SAS Environment: SAS Viya, SAS Visual Analytics, SAS MIP, SAS Studio
Tools: Git, LaTex, Jira, Microsoft Excel, Microsoft 365