Saurin Prajapati

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SUMMARY

Software engineer with experience in AI-driven solutions, data analytics, and financial automation. Skilled in Python, Java, Machine learning, and Cloud computing. Looking for software developer intern and co-op positions.

TECHNICAL SKILLS

Programming Languages: Python, Java, Typescript, Javascript, SAS Base
Backend Frameworks/Libraries: Flask, Spring Boot, Nodejs, Expressjs
UI Frameworks/Libraries: React, HTML, CSS, Bootstrap
Databases: Postgres, SQL Server, MySQL, SQLite, MongoDB
Cloud Platforms: Amazon Web Services, Google Cloud Platform
Machine Learning: Pytorch, Tensorflow, Sklearn, Numpy, Pandas
Data Visualization and Analytics: SAS Viya, Tableau, Matplotlib, Seaborn, SAS Visual Analytics, SAS RGF, SAS Studio
Certifications: Stanford University and DeepLearning.AI Machine Learning Specialization (Jan 2025), IBM Introduction to Cloud Computing (Jul 2023)

EDUCATION

M.S. Computer Science, Arizona State University, Tempe, AZ — Aug 2024 - May 2026
B.Tech in Computer Science, Nirma University, India — Jul 2019 - Jun 2023

PROFESSIONAL EXPERIENCE

Quintics Management Consultancies, Vietnam | Dubai, Business Analyst (ETL Lead | SAS Developer):   **Jul 2023 - Jul 2024**
- Developed an **AI-driven Healthcare Crises Dashboard** for the **Ministry of Health and Prevention, UAE**, utilizing **SAS Viya, SAS Visual Analytics, and SAS Studio** to streamline real-time hospital resource tracking across 150+ facilities and enhance crisis response strategies.
- Enabled **bilingual (English/Arabic)** data visualization for critical healthcare metrics such as hospital bed availability, medical facilities map view, vital medical supplies, ambulances, and strategic stockpile levels**,** facilitating data-driven decision-making. during emergencies like COVID-19**.**
- Designed and optimized **multi-frequency ETL pipelines** (every 5 minutes, daily, bi-daily, and monthly) integrating **MySQL** databases from clients and external contractors, ensuring **seamless incremental data processing** for mission-critical KPIs.
- Implemented AI-driven **predictive modeling** (ARIMA, Exponential smoothing), leveraging 21-day time-series trend analysis to forecast hospital bed utilization, blood stock levels, and doctor availability for the next 7 days, enabling proactive healthcare resource planning.
- Led **IFRS9 automation** for a **Vietnamese bank** handling 30 million+ customers, streamlining Expected Credit Loss (ECL) calculations and financial measurement reporting using **Python, SAS Enterprise Guide, SAS DI Studio, and SAS Rule Manager**.
- Achieved full automation of monthly and ad-hoc IFRS9 workflows and email notifications, leveraging **SAS Risk Governance Framework** and **SAS Workflow Studio**, reducing manual intervention by 80% and improving regulatory compliance efficiency.
- Integrated **OracleDB** as a secure data source for IFRS9 compliance processing and enforced a **User Access Matrix** securing 10+ user groups (Finance, Risk, IT), ensuring **role-based access control (RBAC)** for **applications, workflow steps, and folder tables**.
- Conducted **knowledge transfer sessions for 2 major projects**, training **60+ participants**, ensuring operational continuity and best practices adoption.

Quintics Management Consultancies, Ahmedabad, India, Analyst Intern   **Jan 2023 - Jun 2023**
- Developed a Behavioral Credit Risk Scorecard in **SAS Enterprise Guide**, implementing multivariate logistic regression with WOE-transformed variables, achieving **Somers' D: 0.7594 (AUC: 0.8797)** from data extraction to model validation.
- Automated **50+ variable selection/transformation** using SAS macros, reducing manual processing time by 40%.

Tecblic Pvt Ltd, Ahmedabad, India, AI/ML Intern   **Jun 2022 - Aug 2022**
- Developed a diamond pricing PoC using Machine learning (Feature engineering + XGBoost) to automate valuation based on 15+ quality metrics, which translated to a real project.

PROJECTS

Cloud-Based Salary Prediction Service (Flask + GCP)
- Deployed a machine learning salary prediction model as a scalable web service using Flask on Google Cloud Platform, enabling real-time predictions via REST API.

Django E-Commerce Platform
- Built a production-ready Django e-commerce platform (PyShop) featuring user auth, RESTful product management, real-time cart updates, and admin controls with SQLite backend.

Cloud-based auto-scaling Face Recognition System (Flask + AWS)
- Designed and deployed a serverless face recognition application on AWS using S3, SQS, and EC2, implementing custom auto-scaling logic to dynamically adjust compute resources while maintaining ~0.9s latency per request.