

# Saurin Anilkumar Prajapati

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## EDUCATION

Arizona State University, Tempe, AZ, USA	Aug 2024 - May 2026
Master's, Computer Science	GPA: 4.0/4.0
Courses: Statistical Machine Learning, Distributed Database Systems, Software Security, Cloud Computing, Data Mining	
Institute of Technology, Nirma University, Ahmedabad, India	Jul 2019 - Jun 2023
Bachelor's, Computer Science and Engineering	GPA: 3.4/4.0
Courses: Data Structures and Algorithms, Operating Systems, Computer Networks, Computer Architecture, OOP	

## EXPERIENCE

Quintics Management (Sutra Management)	Jan 2023 - Jul 2024
Lead Business Analyst, Health Crises Dashboard	Dubai, United Arab Emirates
<ul style="list-style-type: none"><li>Designed, developed, restructured, and rigorously tested <b>Health Crises Dashboard</b> for a public entity in the <b>UAE</b> to optimize resource management and crises readiness across <b>150+</b> national healthcare facilities.</li><li>Designed and implemented multi-frequency ETL pipelines (5-min, daily, monthly) using <b>Python</b> and <b>SQL</b> for critical healthcare KPIs.</li><li>Led the design and deployment of SAS Viya-based solutions for <b>automated data processing, KPI creation, and dashboard implementation</b>.</li><li><b>Key achievements:</b><ul style="list-style-type: none"><li><b>Documentation and Technical writing:</b> Scoped and documented client requirements, leading to a 25% reduction in project kickoff time by ensuring alignment from the outset.</li><li><b>Analytical prowess:</b> Constructed and optimized ETL logic, achieving a 40% increase in data processing efficiency and reducing overall project delivery time by 20%.</li><li><b>Leadership and Time management:</b> Orchestrated and delivered on-time completion of all 12 ETL pipelines by aligning team priorities and implementing agile project management processes, while maintaining the highest data quality.</li></ul></li></ul>	
Business Analyst, IFRS 9 Implementation for a Bank	Hanoi, Vietnam
<ul style="list-style-type: none"><li>Automated IFRS9 Expected Credit Loss (ECL) workflows for a <b>Vietnamese bank (30M+ customers)</b> using <b>Python</b> and <b>SAS</b> tools, reducing manual processing by <b>80%</b>.</li><li>Integrated OracleDB and implemented role-based access controls (RBAC) for secure financial data management.</li><li>Orchestrated the seamless integration of SAS IFRS 9 solutions with custom <b>Python</b> modules, streamlining <b>reporting and disclosures</b>.</li><li>Led training sessions for <b>60+</b> participants, ensuring smooth project handovers and best practices adoption.</li><li><b>Key achievements:</b><ul style="list-style-type: none"><li><b>Documentation and Technical writing:</b> Improved solution stability by 35% through thorough testing and issue resolution.</li><li><b>Time management:</b> Led the project to 100% on-time delivery as the SAS MIP Lead, contributing to the bank's financial compliance success.</li></ul></li></ul>	
Analyst Intern, Behavioral Credit Risk Scorecard	Ahmedabad, India / Noida, India
<ul style="list-style-type: none"><li>Incorporated various <b>analytical</b> and <b>Machine Learning</b> techniques to analyze trends in customer portfolio data for a Bank to develop a Behavioural Credit Risk Scorecard improving the Bank's risk assessment accuracy by 30%.</li></ul>	
Tecblic Pvt Ltd	Jun 2022 - Aug 2022
AI/ML Intern	Ahmedabad, India
<ul style="list-style-type: none"><li>Created a diamond pricing model using XGBoost and feature engineering, which evolved into a production solution.</li><li><b>Research and Implementation:</b> Conducted research and <b>implemented advanced machine learning algorithms</b>, leading to a 25% improvement in model accuracy for key projects.</li></ul>	

## TECHNICAL SKILLS

<b>Programming &amp; Frameworks:</b> Python, Java, JavaScript, TypeScript, SAS Base, C++, Ruby, Flask, Django, Spring Boot, Spring Cloud, Spring Security, Node.js, Express.js, React.js, HTML, CSS
<b>Software Development &amp; Database:</b> Git, REST APIs, JIRA, Agile, Scrum, MongoDB, MySQL, PostgreSQL, DynamoDB, Redis
<b>Cloud and DevOps:</b> AWS, GCP, Docker, Jenkins, Kubernetes
<b>Data Science:</b> Machine Learning, Deep Learning, LangChain, LangGraph, Sklearn, Pandas, PyTorch

## PROJECTS

Model Studio   Modeling Pipeline using Apache Spark & Spring Boot
<ul style="list-style-type: none"><li>Streamlined the analysis process by integrating decision trees and random forests into existing workflows; reduced data processing time by 40%, allowing the team to deliver insights faster to stakeholders.</li><li>Embedded an end-to-end Java development process, encompassing requirement analysis and client communication; optimized workflows resulted in a 30% improvement in issue resolution time, enhancing overall customer satisfaction.</li></ul>
Cloud-based auto-scaling Face Recognition System (Flask + AWS)
<ul style="list-style-type: none"><li>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.</li></ul>