

# NIKHITHA SRI TODETI

Software Engineer

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## EDUCATION

<b>Georgia State University - Master's, Computer Science</b>	<b>Jan2024 - Present</b>
<b>Lakireddy Bali Reddy College of Engineering - Bachelor's, Computer Science and Engineering</b>	<b>Aug 2019 – May2023</b>

## WORK EXPERIENCE

<b>Software Engineer (Graduate Research Assistant) – Georgia State University, Atlanta, GA, US</b>	<b>Aug 2024 - Present</b>
<ul style="list-style-type: none"><li><b>ETL Pipeline Development:</b> Engineered Python-based ETL pipelines to ingest, clean, and transform large-scale financial datasets, optimizing performance and scalability for production use.</li><li><b>Graph Algorithms &amp; Data Modeling:</b> Designed and implemented graph algorithms and data models to identify structural dependencies, improving analytical accuracy and system efficiency.</li><li><b>Workflow Automation:</b> Automated workflows with modular, reusable scripts, reducing runtime by 40% and streamlining data processing in distributed environments.</li><li><b>Data Visualization &amp; Dashboards:</b> Built interactive data visualizations and dashboards with Python libraries, integrating real-time APIs to enhance usability and decision-making.</li><li><b>Agile Collaboration &amp; Code Quality:</b> Collaborated in an Agile team environment, using Git/GitHub for version control, peer code reviews, and refactoring legacy code to modern, maintainable standards.</li></ul>	
<b>Full Stack Developer (Graduate Research and Teaching Assistant) College of Business, Atlanta, GA, US</b>	<b>Jan 2024 - April 2024</b>
<ul style="list-style-type: none"><li><b>End-to-End Application Development:</b> Developed Python applications (Pandas, NumPy, NetworkX) to analyze large-scale financial and fraud datasets, generating actionable insights.</li><li><b>Backend Algorithms for Fraud Detection:</b> Implemented clustering, centrality, and shortest-path graph analytics to uncover hidden fraud patterns.</li><li><b>ETL &amp; API Integration:</b> Built ETL pipelines and API-driven workflows to extract, transform, and integrate raw data, improving processing efficiency and system performance.</li><li><b>Dashboard &amp; Visualization Design:</b> Created interactive dashboards and visualizations with Plotly, Seaborn, and Matplotlib to communicate fraud trends and anomalies to stakeholders.</li><li><b>Agile Collaboration &amp; Code Quality:</b> Applied Agile practices with Git/GitHub for version control and reproducible development, contributing to real-world projects and academic initiatives.</li><li><b>Teaching &amp; Mentorship Support:</b> Supported Predictive Analytics coursework by guiding students on Python data wrangling, backend logic, and applied machine learning.</li></ul>	
<b>Packaged App Development Associate – Accenture Solutions Pvt Ltd (DuPont – Central Finance Project) Mumbai, India</b>	<b>June 2023- Dec 2023</b>
<ul style="list-style-type: none"><li><b>SQL &amp; Snowflake Data Modeling:</b> Developed custom SQL and Snowflake models, enabling fast keyword-based search for insurance plans and improving user experience on client-facing applications.</li><li><b>Backend Systems &amp; Infrastructure Support:</b> Designed and maintained backend workflows within SAP Central Finance, contributing to deployment, monitoring, and performance optimization.</li><li><b>Automation &amp; System Reliability:</b> Automated system health checks and log monitoring tasks, reducing downtime incidents and ensuring 24/7 high availability.</li><li><b>Cross-Functional Debugging &amp; Upgrades:</b> Collaborated with teams to debug ABAP issues, manage transports, and implement kernel upgrades, ensuring smooth release cycles.</li><li><b>Documentation &amp; Knowledge Sharing:</b> Authored onboarding guides and internal documentation for recurring issues, reducing new-hire onboarding time by 30%.</li><li><b>Agile &amp; ITIL-Based Delivery:</b> Participated in Agile sprints and ITIL workflows to prioritize incidents and resolve client-impacting issues within SLA.</li><li><b>Global Collaboration:</b> Strengthened efficiency by facilitating daily standups and coordinating with security and infrastructure teams across geographies.</li></ul>	
<b>Salesforce Developer Intern - Salesforce (Remote Internship – Developer Role) India</b>	<b>May 2022 - Aug 2022</b>
<ul style="list-style-type: none"><li><b>Custom Application Development:</b> Designed and developed applications using Apex, Visualforce, and Lightning Web Components (LWC), delivering scalable client-focused solutions.</li><li><b>Workflow Automation:</b> Built Process Builder, Flows, and custom triggers to reduce manual tasks and streamline business operations.</li><li><b>Agile Collaboration:</b> Partnered with product and QA teams in sprint cycles to refine requirements, build user stories, and implement end-to-end features.</li><li><b>API &amp; System Integration:</b> Integrated third-party systems via RESTful APIs and platform events, enabling real-time data synchronization and enhancing customer experience.</li><li><b>Testing &amp; Deployment:</b> Conducted unit testing and deployed components with Salesforce DX (SFDX) and Change Sets, ensuring reliability in production.</li><li><b>Documentation &amp; Team Enablement:</b> Created detailed documentation of development processes and deployment strategies to support collaboration and compliance.</li><li><b>Secure Architecture Design:</b> Applied Salesforce security best practices with permission sets and object-level access for secure, scalable architectures.</li></ul>	

## SKILLS

<b>Programming Languages</b>	:	Python (Pandas, NumPy, Scikit-learn, Flask, Django), Java, C/C++, JavaScript (React, Node.js), SQL (MySQL, Oracle, Snowflake, Hive), Bash/Shell
<b>Software Development</b>	:	OOP, Data Structures & Algorithms, API Development (REST, GraphQL), Microservices, MVC Architecture, Agile/Scrum, Unit & Integration Testing (PyTest, JUnit)
<b>Full-Stack &amp; Web Development</b>	:	React, Node.js, Flask, HTML5, CSS3, Bootstrap, Responsive UI, Authentication & Authorization (OAuth 2.0, JWT)
<b>Cloud &amp; DevOps</b>	:	AWS (S3, Lambda, EC2, Redshift, RDS), GCP (BigQuery, Cloud Functions), Docker, Kubernetes, Git/GitHub, GitLab CI/CD, Jenkins, Terraform, OpenShift
<b>Databases &amp; Data Engineering</b>	:	MySQL, PostgreSQL, Oracle, SQL Server, MongoDB, DynamoDB, Snowflake, Redshift, ETL (Airflow, dbt), PySpark, Kafka, Hadoop, Data Modeling, Query Optimization
<b>Analytics &amp; ML/AI</b>	:	BI Tools (Tableau, Power BI, Looker), A/B Testing, Anomaly Detection, ML (Random Forest, XGBoost, SVM), NLP (Rasa, SpaCy, NLTK), Deep Learning basics (PyTorch, TensorFlow)

## PROJECTS

- Real-Time Cyber Threat Dashboard (Python, Power BI, APIs)**  
Built a real-time dashboard using Python to fetch and parse global threat intelligence (abuse.ch APIs), automating JSON-based IOC feeds for malicious IP/domain detection. Integrated Power BI for interactive filtering, visual alerts, and geographic heat maps.
- Resume Parser Web App (Streamlit, NLP – SpaCy, NLTK, Python)**  
Developed a web app to extract, analyze, and score resumes against job descriptions using NLP techniques. Implemented keyword-matching logic, deployed with Streamlit, and enabled Excel export for HR teams.
- AWS S3 File Analyzer (AWS Lambda, CloudWatch, SNS)**  
Designed a serverless file-monitoring solution that scans S3 bucket uploads for size, type, and metadata. Automated anomaly alerts via CloudWatch and SNS, supporting compliance and real-time monitoring use cases.