

# NIKHITHA SRI TODETI

Software Engineer

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## EDUCATION

Georgia State University - Master's, Computer Science

Jan2024 - Present

Lakireddy Bali Reddy College of Engineering - Bachelor's, Computer Science and Engineering

Aug 2019 – May2023

## WORK EXPERIENCE

Software Engineer (Graduate Research Assistant) – Georgia State University, Atlanta, GA, US

Aug 2024 - Present

- **ETL Pipeline Development:** Engineered Python-based ETL pipelines to ingest, clean, and transform large-scale financial datasets, optimizing performance and scalability for production use.
- **Graph Algorithms & Data Modeling:** Designed and implemented graph algorithms and data models to identify structural dependencies, improving analytical accuracy and system efficiency.
- **Workflow Automation:** Automated workflows with modular, reusable scripts, reducing runtime by 40% and streamlining data processing in distributed environments.
- **Data Visualization & Dashboards:** Built interactive data visualizations and dashboards with Python libraries, integrating real-time APIs to enhance usability and decision-making.
- **Agile Collaboration & Code Quality:** Collaborated in an Agile team environment, using Git/GitHub for version control, peer code reviews, and refactoring legacy code to modern, maintainable standards.

Full Stack Developer (Graduate Research and Teaching Assistant) College of Business, Atlanta, GA, US

Jan 2024 - April 2024

- **End-to-End Application Development:** Developed Python applications (Pandas, NumPy, NetworkX) to analyze large-scale financial and fraud datasets, generating actionable insights.
- **Backend Algorithms for Fraud Detection:** Implemented clustering, centrality, and shortest-path graph analytics to uncover hidden fraud patterns.
- **ETL & API Integration:** Built ETL pipelines and API-driven workflows to extract, transform, and integrate raw data, improving processing efficiency and system performance.
- **Dashboard & Visualization Design:** Created interactive dashboards and visualizations with Plotly, Seaborn, and Matplotlib to communicate fraud trends and anomalies to stakeholders.
- **Agile Collaboration & Code Quality:** Applied Agile practices with Git/GitHub for version control and reproducible development, contributing to real-world projects and academic initiatives.
- **Teaching & Mentorship Support:** Supported Predictive Analytics coursework by guiding students on Python data wrangling, backend logic, and applied machine learning.

Packaged App Development Associate – Accenture Solutions Pvt Ltd (DuPont – Central Finance Project) Mumbai, India

June 2023- Dec 2023

- **SQL & Snowflake Data Modeling:** Developed custom SQL and Snowflake models, enabling fast keyword-based search for insurance plans and improving user experience on client-facing applications.
- **Backend Systems & Infrastructure Support:** Designed and maintained backend workflows within SAP Central Finance, contributing to deployment, monitoring, and performance optimization.
- **Automation & System Reliability:** Automated system health checks and log monitoring tasks, reducing downtime incidents and ensuring 24/7 high availability.
- **Cross-Functional Debugging & Upgrades:** Collaborated with teams to debug ABAP issues, manage transports, and implement kernel upgrades, ensuring smooth release cycles.
- **Documentation & Knowledge Sharing:** Authored onboarding guides and internal documentation for recurring issues, reducing new-hire onboarding time by 30%.
- **Agile & ITIL-Based Delivery:** Participated in Agile sprints and ITIL workflows to prioritize incidents and resolve client-impacting issues within SLA.
- **Global Collaboration:** Strengthened efficiency by facilitating daily standups and coordinating with security and infrastructure teams across geographies.

Salesforce Developer Intern - Salesforce (Remote Internship – Developer Role) India

May 2022 - Aug 2022

- **Custom Application Development:** Designed and developed applications using Apex, Visualforce, and Lightning Web Components (LWC), delivering scalable client-focused solutions.
- **Workflow Automation:** Built Process Builder, Flows, and custom triggers to reduce manual tasks and streamline business operations.
- **Agile Collaboration:** Partnered with product and QA teams in sprint cycles to refine requirements, build user stories, and implement end-to-end features.
- **API & System Integration:** Integrated third-party systems via RESTful APIs and platform events, enabling real-time data synchronization and enhancing customer experience.
- **Testing & Deployment:** Conducted unit testing and deployed components with Salesforce DX (SFDX) and Change Sets, ensuring reliability in production.
- **Documentation & Team Enablement:** Created detailed documentation of development processes and deployment strategies to support collaboration and compliance.
- **Secure Architecture Design:** Applied Salesforce security best practices with permission sets and object-level access for secure, scalable architectures.

## SKILLS

Programming Languages	:	Python (Pandas, NumPy, Scikit-learn, Flask, Django), Java, C/C++, JavaScript (React, Node.js), SQL (MySQL, Oracle, Snowflake, Hive), Bash/Shell
Software Development	:	OOP, Data Structures & Algorithms, API Development (REST, GraphQL), Microservices, MVC Architecture, Agile/Scrum, Unit & Integration Testing (PyTest, JUnit)
Full-Stack & Web Development	:	React, Node.js, Flask, HTML5, CSS3, Bootstrap, Responsive UI, Authentication & Authorization (OAuth 2.0, JWT)
Cloud & DevOps	:	AWS (S3, Lambda, EC2, Redshift, RDS), GCP (BigQuery, Cloud Functions), Docker, Kubernetes, Git/GitHub, GitLab CI/CD, Jenkins, Terraform, OpenShift
Databases & Data Engineering	:	MySQL, PostgreSQL, Oracle, SQL Server, MongoDB, DynamoDB, Snowflake, Redshift, ETL (Airflow, dbt), PySpark, Kafka, Hadoop, Data Modeling, Query Optimization
Analytics & ML/AI	:	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.