

JOSHITH REDDY ALETI

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EDUCATION

Bachelor of Science in Computer Science, Honors College, Georgia State University Fall 2022 – Fall 2025
Relevant Coursework: Data Mining, Database Management Systems, Operation Systems, Big Data, Machine Learning.

SKILLS

Languages Python, HTML, CSS3, JavaScript, Java, C, R programming, .NET, PowerBi, Tableau, Microservices, CI/CD
Frameworks Node.js, React.js, Next.js, Kotlin, AI ,ML,GenAI, Data visualization, CNN, RNN, TensorFlow, PyTorch,Hadoop
Database AWS, SQL, Firebase, MongoDB, MySQL, PostgreSQL, SQLite, RESTful APIs, FastAPI, Pandas, Git, UiPath
Hardware Skills Hardware, Systems Architecture, PLC, Power and Performance Analysis, Platform Component Interaction

EXPERIENCE

Advanced AI and Application Intern August 2025 – Present
Boehringer Ingelheim, Athens, GA

- Designed and deployed a full-stack manufacturing tracking portal (React, Node.js/Express, SQL Server, REST APIs, Power BI, Azure) with role-based access, reducing batch reporting time by 98% across QA, QC, Production, and Packaging teams.
- Built a computer-vision powered monitoring system (VB UI, OpenCV, Ultralytics YOLOv8, industrial cameras, SQL) to detect and classify cane production batches in real time, increasing detection accuracy and improving reporting efficiency by 95%.
- Engineered an automated onboarding and KPI tracking platform (PowerApps, Power Automate, Power BI, SQL), assigning and approving learning resources and visualizing performance, removing 100% of manual HR interventions.

Data and GenAI Intern June 2025 – August 2025
Fiserv, Alpharetta, GA

- Engineered a Generative AI-powered Retrieval-Augmented Generation (RAG) system from scratch, transforming thousands of static implementation documents into a fully searchable, citation-backed Knowledge Base by cutting research time by 99% and accelerating client onboarding.
- Developed machine learning pipelines for document classification and semantic similarity scoring, integrating with Fiserv's GenAI API to deliver precise, source-verified insights that boosted operational efficiency and trust.
- Automated multi-UI functional testing with UiPath RPA, leveraging GenAI-driven adaptive logic to identify edge cases and self-optimized by eliminating human error and improving testing throughput by 99.7%.

Gen AI Intern April 2025 - June 2025
Cognizant, Atlanta, GA

- Developed, tested, and deployed AI solutions using real-world datasets and tools such as TensorFlow, PyTorch, OpenAI, and Gemini APIs, with a focus on practical applications of Generative AI.
- Gained hands-on experience with transformer architectures including LSTM, BERT, and GPT, performing text generation, NLP tasks, and fine-tuning BERT for downstream use cases.
- Applied prompt engineering and optimization strategies to improve LLM outputs, explored GANs for image generation, and studied ethical considerations such as bias, misinformation, and responsible AI deployment.

Data Analyst Research Assistant Aug 2024 - May 2025
Georgia State University, RIMMES Program, Atlanta, GA

- Analyzed monthly output trends in Amazon and Walmart using descriptive statistics (standard deviation), time series analysis (moving averages), regression analysis (linear/multiple regression),clustering (K-Means) for product segmentation
- Built Python/SQL data pipelines for 10M+ row datasets and Tableau/Power BI dashboards, cutting processing time by 40% and boosting decision-making efficiency by 30%.
- Conducted research on Statistics and Discrete Mathematics and helped over 250 students using R and LaTeX.

PROJECTS

FinGenius *AWS, Flask, JavaScript, CSS, HTML, ML, AI, Data Science*

- Enables real-time transaction tracking, personalized savings goals, and automated reminders.
- Provides data visualizations (pie, bar graphs) for spending pattern analysis.Also allows users to make international transfers.
- (AI): Uses OpenAI API and Gemini API for generating human-like spending insights, personalized bill summaries.
- Machine Learning (ML): Leverages Sklearn (Logistic Regression, Decision Trees, K-Means, Random Forest, XGBoost) for transaction classification, with integration of Plaid API / OpenBanking APIs to enable secure transaction fetching.