Sahil Sait Naveed

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 github.com/sahilsait linkedin.com/sahilsait sahilsait.github.io

Education

San Jose State University **Aug 2024 – Expected May 2026**
Master of Science in Computer Science *San Jose, CA*

APJ Abdul Kalam Technological University **Jul 2019 – Jun 2023**
Bachelor of Technology in Computer Science and Engineering *Trivandrum, India*

Work Experience

Software Development Engineer Intern **May 2025 – Aug 2025**
Amazon *Seattle, WA*

- Developed and launched a **secure in-app note-taking system** to centralize essential M&A accounting information previously scattered across internal docs, email threads, and Slack.
- Designed and implemented versioned, auditable backend services and a responsive frontend using **Java**, **AWS Lambda**, **DynamoDB**, **React**, and **TypeScript**.
- Enabled faster onboarding, improved compliance, and created a clear **audit trail supporting $20B+ in investments** by consolidating critical knowledge with full author attribution and version history.

Software Development Engineer **Jul 2023 – Aug 2024**
Amadeus Labs *Bangalore, India*

- **Developed automated data pipelines** using **Python** and **Splunk** for metrics retention, implementing **ETL** processes and data aggregation to expand reporting capabilities and support long-term strategic planning.
- **Architected a full-stack report automation platform** with **React** and **Flask**, cutting manual reporting effort by **60%** and enabling data-driven decision-making.
- **Improved 24/7 operational responsiveness** by designing an automated ticketing system for off-hours outages and enhancing platform stability through log analysis, SLA monitoring, and cross-team coordination.

Project Experience

SecondBrain | *LLM-Powered Personal Knowledge Base* **Sep 2024 – Nov 2024**

- Built a **CLI**-based personal knowledge base with **Python**, **Ollama**, and **ChromaDB** to index and retrieve documents using embeddings for fast, accurate query responses.
- Integrated a **RAG pipeline** and local **Llama 3.2** model for advanced, on-device query processing.
- Designed the CLI to handle multiple formats (pdf, docx, txt) with secure, real-time document retrieval and user data privacy.

Enterprise Credit-Risk Assessment using Graph Neural Networks **Sep 2024 – Nov 2024**

- Modeled SME financial metrics as graph nodes, with edges built using cosine similarity and maximum spanning tree to capture interdependencies.
- Designed and trained a deep learning-based **GraphSAGE** architecture for neighborhood aggregation and multi-class **credit risk classification**.
- Achieved **77%+ accuracy** with **78% recall** for high-risk cases and a **micro-average AUC of 0.92**, validating practical utility.

Technical Skills

- **Programming**: Python, TypeScript/JavaScript, Java, Swift, C/C++, HTML, CSS, SQL
- **Technologies**: React, NextJS, NodeJS, Flask, PostgreSQL, Splunk, Docker, Git, AWS, Azure, PyTorch, Claude Code, OpenAI Codex, Google AI Studio, HuggingFace Transformers
- **Concepts**: Data Structures, Algorithms, Object-oriented Programming, Databases, APIs, Deep Learning, Reinforcement Learning, LLMs