

SOHAM JINDAL

US Citizen | soham.jindal16@gmail.com | +1 (408) 663-8331 | linkedin.com/in/sohamj2025 | Sunnyvale, California

EDUCATION

PURDUE UNIVERSITY

Bachelor of Science in Computer Engineering

- Minor/Concentration: AI/MI

Relevant Coursework: Data Structures & Algorithms, Advanced Java Programming, Electrical Engineering Fundamentals, Differential Equations, Software Design

West Lafayette, IN

Expected Graduation: May 2026 | GPA: 3.7

EXPERIENCE

L3HARRIS

Software Engineer Intern

West Lafayette, IN(remote)

August 2025 – December 2025

- Collaborated with L3Harris via Purdue Data Mine Corporate Partners to build a Day-in-the-Life (DITL) satellite telemetry model using NASA NOS3 for cyber-threat detection.
- Built reproducible Python pipelines for NOS3 telemetry (windowed features, QA checks) and implemented scikit-learn detectors; evaluated with precision/recall and ROC-AUC.
- Ran a VirtualBox/Linux lab for packet capture/injection to create labeled attack traces; aligned features to SPARTA and scoped the ESA DITL follow-on.
- Developed under Linux environments with scripted workflows for repeatable experiments.
- Tools: Python, Jupyter Notebooks, pandas, NumPy, scikit-learn, Linux/shell, packet analysis, SPARTA, R, SQL

ALPHA NET

Software Engineer Intern

Santa Clara, CA

May 2025 – August 2025

- Developed and maintained the company website using HTML/JavaScript, enhancing user experience and functionality.
- Collaborated with subject matter experts to create the xBlinx project for Android and iOS platforms and heavily used Swift throughout this project.
- Utilized AWS and AWS Lambda to streamline project deployment and scalability.
- Recognized as Employee of the Month for exceptional dedication and enthusiasm towards company goals.

InfoDotLLC

Application Developer/Cofounder

Sunnyvale, CA

December 2023 – Current

- Developed Android and iOS applications in Kotlin and Swift, including Sports Betting Tips and an e-commerce app.
- Integrated secure payment gateways, push notifications, and analytics SDKs to improve user engagement and retention.
- Optimized app stability, reducing crash rates by 25% through rigorous testing and CI/CD pipelines.
- Collaborated in a 9-person Agile team, contributing to sprint planning, code reviews, and Git-based workflows.
- Designed reusable UI components and modularized app architecture, improving development speed/maintainability.

PROJECTS

Personal Message Style Imitation with Retrieval Based In-Context Learning

2025

- Developed a prototype system that generates replies aligned with a user's past communication style.
- Built a search pipeline using vector embeddings & FAISS to get relevant past messages w/ recency and similarity scoring.
- Integrated an API-based text generator to produce consistent responses, with checks for style similarity, context fit, and inappropriate content too.
- Designed the service with Python and Flask, supported both SQLite and in-memory storage, and containerized for deployment with Docker.
- Latency <300 ms for retrieval and <1.2 s end-to-end at demo scale; includes side-by-side eval UI.
- Created a lightweight web interface for demos and evaluation.
- Overall Tech Used: Python, Flask, TypeScript/JS, FAISS, OpenAI Embeddings/Chat, SQLite, Docker

ADDITIONAL

Languages: Java, Python, C/C++, CUDA, Swift, Kotlin, R, HTML/CSS, JavaScript/TypeScript, SQL (Postgres)

Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

Developer Tools & Cloud: AWS (EC2, RDS, S3), Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse,

Libraries: pandas, NumPy, Matplotlib, scikit-learn, TensorFlow Lite, FAISS, SciPy, OpenCV, spaCy, requests, SQLAlchemy.

Hackathon Achievements: WilHacks — 3rd place (2022) | Los Altos Hacks — 2nd place (2024)