

# Saahil Khanna

919-592-1966 | [saahilkhanna100@gmail.com](mailto:saahilkhanna100@gmail.com) | [linkedin.com/in/Saahil-Khanna](https://www.linkedin.com/in/Saahil-Khanna)

## EDUCATION

### Georgia Institute of Technology

B.S. Computer Science

**Threads:** Artificial Intelligence and Information Systems

**Expected Graduation:** May, 2026 / **GPA:** 3.7

**Relevant Courses:** System Networking, Computer Vision, Machine Learning, Artificial Intelligence, Database Management, Statistics and Applications, Algorithm Analysis, Multi. Calculus, Linear Algebra, Object-Oriented prog.

## WORK EXPERIENCE/RESEARCH

### Equifax | Software Engineer Intern

May 2025–Aug. 2025

- Updated full-stack monitoring tool using React, Node.js, PostgreSQL, and Docker, deployed to GKE (Kubernetes) with Istio and Ingress Gateway, providing live dashboards and alerting for GCP infrastructure and BigQuery performance
- Engineered an ETL pipeline with Jenkins to automate data collection from thousands of SonarQube instances, aggregating results into BigQuery and powering a Looker Studio dashboard with 50,000+ key vulnerabilities displayed

### GT College of Computing VIP | Researcher/Algorithm Developer

Jan. 2024–May 2025

- Conducted funded research on Large Language Models (LLMs) to autonomously optimize genetic algorithms, leading to improved model performance for point cloud classification and machine learning systems as a whole
- Researched effects of island migration techniques on genetic diversity of algorithms utilizing DEAP in python

### GooseCart | Mobile App Developer

May 2024–Dec. 2024

- Developed a cross-platform e-commerce application offering exclusive group order services locally
- Incorporated secure payment functionalities and integrated Firebase through RESTful APIs utilizing React Native Expo for the front end and Python Flask for the back end

## PROJECTS

### Morgan Stanley: Code To Give (2<sup>nd</sup> Place Winner) | Full Stack Project

- Developed a full-stack web application to connect Latinx students with companies for the ALPFA non-profit
- Engineered a machine learning-based matchmaking algorithm utilizing cosine similarity and automated resume parsing for personalized student-company matches
- Integrated Firebase for backend operations via RESTful APIs, using Vite and Tailwind CSS for the frontend

### QuickDrawAI | Interactive Sketch Recognition Web App

- Built a deep learning app combining CNNs + LSTMs to classify hand-drawn sketches in real time using TensorFlow
- Developed a custom UI to capture drawings and display live model confidence scores and top predictions

### Music Metrics | Android Application

- Developed a personalized Spotify Wrapped app with MVVM architecture in Java, integrating Firebase and Spotify API for data retrieval, allowing users to view insights on music listening habits
- Implemented cross-device login, CI/CD pipeline, and export features, enhancing social sharing experiences

## LEADERSHIP/INVOLVEMENT

### Student Government Association: IT Board | Infrastructure & Security team

Aug. 2024 - Present

- Serving thousands of users monthly by helping maintain technology infrastructure for websites and projects
- Develop security protocols and testing across IT systems to mitigate risks and enhance data protection

### IOS Club | App Developer/Active Member

Sep. 2023– Jan. 2024

- Created competition winning social media iPhone app for food enthusiasts using SwiftUI and Firebase
- Participated in bootcamps, building strong fundamental understanding of UI principles and IOS app development

## TECHNICAL SKILLS

**Languages:** Python, Java, Swift JavaScript, MySQL, C/C++, HTML/CSS

**Developer Tools:** Git, Docker, Kubernetes, Jenkins, Nexus, Terraform, GCP (GKE, GCS, GCE, BigQuery)

**Frameworks/Libraries:** React, Node.js, Flask, PyTorch, DEAP, SwiftUI, TensorFlow JavaFX, Tkinter

**Certifications:** AWS Certified Cloud Practitioner, NOCTI Workforce Certified