

Sanjay Mohandas

linkedin.com/in/mohandasnj | Atlanta, GA | (470)-505-8236 | mohandasnj@gmail.com

Aspiring ML engineer with a strong foundation in computer science and practical AI/ML applications (data analysis, deep learning, LLM's). Eager to apply my coursework and internship experience to deliver impactful engineering solutions to industry.

EDUCATION

Georgia Institute of Technology - Atlanta, GA

B.S. in Computer Science (Aug '21 - May '24), GPA: 3.94, M.S. in Machine Learning (Aug '23 - May '25), GPA: 4.0

EXPERIENCE

The Home Depot, Atlanta, GA - Software Engineering Intern

May 2024 - Aug 2024

- Interned under the ProXtra management platform team that allows admins to manage loyalty customers.
- Worked on integrating a delivery tracker service for the platform from both frontend and backend repositories. Used Java, GraphQL, React, CSS, JS. Allows for any admin to view a customer's order delivery status in high detail and retrieves information from a large-scale database.
- Created an innovative POC approach to allow different departments in Home Depot to view loyalty platform data, without needing all the information from our team. The POC tests with the rewards and benefits hub to show that they can be displayed stand alone on an application safely.

Ernst & Young (EY), Atlanta, GA - Technology Consulting Intern

Jun 2023 - Aug 2023

- Interned under the CommercePoint team that worked for Chick-Fil-A as their client. Learned consulting practices and worked with IOS/Android technologies & testing relating to Chick-Fil-A's business model.
- Developed a Generative AI application using Python, Streamlit, Azure OpenAI, and GPT-3.5, improving data integration and decision-making capabilities, which significantly enhanced the way employees connect with each other by allowing them to ask any questions and gain knowledge about EY's workforce.

The Beam Team (Georgia Tech Stebner Lab), Atlanta, GA - Graduate Research Assistant

Aug 2022 - Present

- Worked with other undergraduate and PhD researchers to reconstruct an additive manufacturing application that optimizes material compositions for many real-world engineering applications, in Python. Used Plotly and PySwarms to visualize optimizations.
- Made the application efficient using a multi-threaded publisher/subscriber software model using Apache Kafka & Docker.
- Developing a custom laser powder bed fusion (LPBF) 3D printing algorithm and tuning a PID for a 5-foot 20,000V capacitor.

Getting To Know U (Georgia Tech VIP Program), Atlanta, GA - Collab Web Team Leader

Aug 2022 - Dec 2023

- Led the Collab Web team of 8-10 students, and together developed a graph database and visualizations to optimize the search of GT publications and staff. Used OpenAlex data and Cypher on Neo4j to build a large-scale graph database and visualization tool. Implemented generative AI by creating an LLM model that is catered towards the Georgia Tech data and provides valuable insights.

PROJECTS

SeekNSpot (HackGT 10), Atlanta, GA - Participant/Developer

Oct 2023

- Developed a chrome extension for YouTube videos that improves the way people can access, navigate, and learn video content. Used Python, Streamlit, Flask, Llama, JavaScript, Replicate API, and Auth0. Tuned the LLM to learn about the video based on the YouTube transcript so the user can get questions, answers, summaries, and translations about it. It can also navigate to specific timestamps and alter the LLM's parameters (temperature, response length, etc.)

VolunTrack (HackGT 9), Atlanta, GA - Participant/Developer

Oct 2022

- Developed a multi-platform application that streamlines the volunteering process through QR code design, React Native, and Firebase Realtime Database. It allows the user to be a volunteer or a host. Volunteers can simply scan in and out of a QR code to receive hours. A hub allows users to view live volunteering events and find or display opportunities quickly.

SKILLS

- **Programming Languages:** Java, Python, JavaScript, SQL, HTML, CSS, C, C++, Assembly, Cypher, GraphQL
- **Frameworks:** Node.js, React.js, Redux.js, Express.js, React-Native, Streamlit
- **Tools/Technologies:** Git, GitHub, Pandas, NumPy, Matplotlib, Anaconda, Seaborn, Tableau, Jupyter, Neo4j, MongoDB, Firebase, MySQL, NPM, Jira, Postman, Kafka, Docker, Azure OpenAI, Visual Studio, IntelliJ, jQuery, PyTorch, TensorFlow, Heroku, Chrome Extensions