THANEESH B. KRISHNASAMY

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EDUCATION

Georgia Institute of Technology   **August 2021 – December 2024**
*Bachelor of Science in Computer Science - **GPA - 4.0/4.0***   *Atlanta, GA*
    Concentrations: Intelligence, Systems and Architecture
    Relevant Coursework: Data Structures and Algorithms, Systems and Networks, Computer Organization and Programming, Linear Algebra, Discrete Mathematics, Statistics & Applications

EXPERIENCE

Innovation Lab, NCR Corporation   **May 2022 – August 2022**
Software Engineer Intern   *Atlanta, GA*

- Created a cloud native service deployed onto GCP to support software and config downloads by forecourt services, migrating from RCM, a single-tenant architecture
- Designed the middleware update service API for terminal controllers, scaling to large deployments
- Developed the client-side OPT keypad and tested & integrated device and fuel software with the Cloud API

HexLabs, Inc.   **December 2021 – Present**
Software Engineer   *Atlanta, GA*

- Revamping the registration system and admin dashboard for university and high school hackathons (HackGT, Catalyst)
- Lead contributor in building HexLabs' new backend microservice API that supports all of its frontend applications
- Using React, Express, Node, MongoDB, and GraphQL to develop related web projects

IT Board, Georgia Tech Student Government Association   **September 2021 – January 2022**
Backend Developer, Course Critique Team   *Atlanta, GA*

- Maintained Course Critique's backend, Georgia Tech's grade distribution platform
- Developed robust algorithms to maximize accurate matches between input searches and existing data
- Serves 10,000+ students in planning out their semesters, providing course and professor information

PROJECTS

Revix | ReactJS, Express.js, Node.js, MongoDB, Tensorflow, Keras   **June 2022 - Present**
Designing a model that produces electronic dance music similar to your favorite artists, using a multi-scale VQ-VAE and autoregressive transformers. Trained on music samples of various genres and artists, the model aims to produce new samples of the user's liking

DayMaker | ReactJS, Express.js, Node.js, SQL, NLP, Google Cloud API's   **October 2021 - Present**
Full-stack web application that automatically creates Google Calendar events from uploaded documents, using a custom trained NER model to extract dates and relevant titles. The project was awarded **Best Use of Google Cloud 1st Place** at HackTX 2021, and our team is currently working on building DayMaker without Google's services

Caproxy | ReactJS, Solidity, Blockchain   **March 2022 – April 2022**
Blockchain application that allows users to perform transactions on the Ethereum network, using a React frontend, Solidity smart contracts and MetaMask to interact with the blockchain

DreddIT | ReactJS, Flask, NLP, RedditAPI   **January 2022 – April 2022**
NLP model that performs sentiment analysis on the comments of a user-entered number of posts within a searched subreddit, generating plots describing the subreddit's sentiment over numerous features, rendered on a React application and backed by a Flask server

Might Bite | Java, Swing, MySQL   **April 2019 – June 2019**
Built an application that displays recipes made with matching user-entered ingredients, responsible for the project's backend development; used a cloud hosted SQL database to store 50+ recipes. Integrated the application with the school dining hall, improving efficiency by 200% and used by 20+ faculty members

TECHNICAL SKILLS

    Languages: Python, Java, JavaScript, TypeScript, Go, C, C++, C#, Solidity, HTML/CSS
    Frameworks: ReactJS, React Native, Redux, Node.js, Express.js, Next.js, NestJS, Flask
    Technologies: SQL, MongoDB, Postman, AWS, Docker, MATLAB, LaTeX, NumPy, Scikit-learn, Matplotlib, Pandas, Keras, NLTK, OpenAI Gym, Git
    Certifications: Introduction to Machine Learning (Duke University - May 2021), Competent Communicator (Toastmasters International - June 2019), Summer Artificial Intelligence Camp (UAE Government - July 2018)