

Pranavkrishna Suresh

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EDUCATION

Georgia Institute of Technology <i>Bachelor of Science in Computer Science (Threads: AI, System Architecture), Minor in Mathematics</i>	May 2026
Fulton Science Academy (Dual Enrollment at Georgia Institute of Technology)	May 2023

RELEVANT COURSEWORK

Courses: Data Structures and Algorithms, Computer Organization and Programming, Objects and Design, Object-Oriented Programming, Linear Algebra, Multivariable Calculus, Differential Equations, Discrete Math

Awards: Google Solution Challenge International Winner, MIT Quantum Computing Hackathon Winner, AI ATL Hackathon Winner, Cornell Health RX Hackathon Winner, Congressional App Challenge Winner, CDAIT IOT Challenge Finalist, CreateX Fellow S24, Startup Exchange Fellow S24, National Merit Scholarship Finalist

Clubs: Quantum Computing Association, Quantitative Trading, RoboJackets (SWE Team), Hindu Yuva

SKILLS

Languages: Python, Java, JavaScript, HTML, C++, R, L^AT_EX

Technologies: ReactJS, MySQL, ExpressJS, Flask, GCP, AWS, Firebase, Azure, MongoDB, Docker, ROS, Git

WORK EXPERIENCE

Churn - Software Engineering Intern <i>Python, ReactJS, SQL, Express, Git</i>	Jan 2024 – Present
<ul style="list-style-type: none">Developing ML models to analyze credit card data for optimal card benefits recommendationsDeveloping UI/UX design and an accounts system to track user benefitsEnhancing data accuracy and efficiency by automating credit card scraping process to populate SQL database	
Georgia Tech - Undergraduate Researcher <i>Blockchain, LLM, Solidity, Truffle, Slither, Git</i>	Nov 2023 – Present
<ul style="list-style-type: none">Developing a suite of tools leveraging static and symbolic analysis, fuzzing, and verification methodsAimed to detect and mitigate security vulnerabilities within smart contracts, enhancing their reliabilityMentored by Georgia Tech Professor Vijay Ganesh	
University of Cambridge - Research Intern <i>Python, NLP, Deep Learning, TensorFlow, Git</i>	Nov 2022 – Jan 2023
<ul style="list-style-type: none">Created a model for Sanskrit Word Segmentation using NLP with LSTM and RNN frameworksAchieved 92% validation accuracy	
Georgia Tech Research Institute - Research Intern <i>Python, C++, ROS, SolidWorks, Git</i>	June 2022 – July 2022
<ul style="list-style-type: none">Automated robotic arm to move stem cell well plates in a clean room settingDesigned universal well plate gripper-mechanismImplemented at Georgia Tech's Marcus Nanotechnology Research CenterPresented research at Invitational Georgia Tech Research Conference	

PROJECTS

Personal Website: pranavkrishnasuresh.github.io/portfolio

Therapute - Google Solution Challenge Winner <i>Python, Firebase, Flask, ReactJS</i>	Mar 2024 – Mar 2024
Developed to streamline physiotherapy by leveraging AI for personalized rehabilitation guidance and tailored feedback	
VigilAI - AI ATL Hackathon Winner <i>Python, Firebase, ExpressJS, ReactJS</i>	Nov 2023 – Nov 2023
Developed to analyze police bodycam footage and provide AI-driven insights on the constitutionality of officers' actions	
US Congressional App Challenge Winner <i>Xcode, Firebase, Git</i>	Dec 2022 – Dec 2022
Developed iOS app for guiding underprivileged students in the college application process; recognized by Congresswoman	