Pranavkrishna Suresh

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Education

Georgia Institute of Technology May 2026
Bachelor of Science in Computer Science (Threads: AI, System Architecture), Minor in Mathematics

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, LaTeX

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

Work Experience

VDart - Software Engineering Intern, AI R&D | *Python, LLM, ReactJS, Express, Git* May 2024 – Present
- Developing a suite of AI tools leveraging LLM and RAG to increase staffing productivity by 30%
- Developed ML model to optimize onsite/offsite worker allocation, achieving 14% department cost savings

Churn - Software Engineering Intern | *Python, ReactJS, SQL, Express, Git* Jan 2024 – April 2024
- Developing ML models to analyze credit card data for optimal card benefits recommendations
- Developing UI/UX design and an accounts system to track user benefits
- Enhancing data accuracy and efficiency by automating credit card scraping process to populate SQL database

University of Cambridge - Research Intern | *Python, NLP, Deep Learning, TensorFlow, Git* Nov 2022 – Jan 2023
- Created a model for Sanskrit Word Segmentation using NLP with LSTM and RNN frameworks
- Achieved 92% validation accuracy

Georgia Tech Research Institute - Research Intern | *Python, C++, ROS, SolidWorks, Git* June 2022 – July 2022
- Automated robotic arm to move stem cell well plates in a clean room setting
- Designed universal well plate gripper-mechanism
- Implemented at Georgia Tech's Marcus Nanotechnology Research Center
- Presented research at Invitational Georgia Tech Research Conference

Projects

Personal Website: pranavkrishnasuresh.github.io/portfolio

Therapute - Google Solution Challenge Winner | *Python, Firebase, Flask, ReactJS* Mar 2024 – Mar 2024
Developed to streamline physiotherapy by leveraging AI for personalized rehabilitation guidance and tailored feedback

VigilAI - AI ATL Hackathon Winner | *Python, Firebase, ExpressJS, ReactJS* 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 | *Xcode, Firebase, Git* Dec 2022 – Dec 2022
Developed iOS app for guiding underprivileged students in the college application process; recognized by Congresswoman