

PARTH AHUJA

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PROFESSIONAL EXPERIENCE

- Forsyth County Schools**
Information Technology Intern

August 2022 - May 2023
Cumming, GA

 - Resolved hardware and software issues for students and faculty, delivering technical support that maintained reliable technology access across a local high school.
 - Deployed virtual machine software across 100+ school devices, enabling cybersecurity course instruction and expanding hands-on learning opportunities.
- VIP Program**
GROWER

August 2024 - December 2025
Atlanta, GA

 - Developed and deployed production AWS web scrapers with Lambda and S3, automating real-time power-outage retrieval, cutting manual collection 90%, and accelerating updates from hourly to minutes.
 - Collaborated with 10+ software engineers to refine the outage-data pipeline, standardizing datasets and improving data quality for downstream analytics and map visualizations.
- Georgia Institute of Technology**
Research Assistant: VLRCOE

February 2025 - August 2025
Atlanta, GA

 - Developed and evaluated multimodal cueing experiments for rotorcraft pilots across fixed-base and motion-based simulators, enhancing training realism and situational-awareness assessment.
 - Engineered and tested Unreal Engine simulations, including a VR-based motion simulator and 270° screen fixed-base simulator, supporting controlled experimentation and software validation.
- Ubicomp Health and Wellness Lab, Georgia Institute of Technology**
Undergraduate Research Assistant

May 2026 - Present
Atlanta, GA

 - Supported mobile-health and mental-health resource prototype design and evaluation through literature reviews, survey-response analysis, and collaborative prototype ideation.
 - Conducted literature reviews for TEAMMAIT on public perceptions of AI in mental health, synthesizing findings into annotated bibliographies and research reflections.
 - Annotated behavioral data and contributed to data-scraping, computer-vision, and pose-estimation research workflows.

PROJECTS & OUTSIDE EXPERIENCE

- Deep Learning Playground**

August 2024 - May 2025

 - Built a no-code deep learning platform with Python, Flask, PyTorch, React, AWS, and Docker, enabling collaborative model construction through an intuitive drag-and-drop interface.
 - Engineered Pandas-based data manipulation and preprocessing features, allowing users to structure datasets for machine learning tasks without writing code.
 - Positioned model-building workflows as evaluation infrastructure by supporting structured dataset preparation and repeatable experimentation; frontier coding agents and GBA Eval were not evidenced in the source material.
- AI Driven Investment Platform**

August 2024 - December 2024

 - AI-Driven Investment Platform | Python, PyTorch, React, AWS, REST APIs, Java, Git, LLMs
 - Coordinated end-to-end development of RoboInvestor, integrating Python, PyTorch, LLM-based workflows, REST APIs, AWS, and React to generate personalized investment portfolio recommendations.
 - Built conversational AI features enabling users to discuss financial situations and receive curated portfolio recommendations through integrated backend and frontend workflows.

EDUCATION

- Georgia Institute of Technology**
Bachelor of Science (BS), Computer Science; Minor in Mathematics

June 2024 - December 2027
GPA: 3.63

SKILLS

Skills: Java, Python, C, C++, SQL, HTML, CSS, R, Generative AI, Large Language Models (LLMs), LLM Workflows, Prompt Engineering, Retrieval-Augmented Generation (RAG), AI-Assisted Coding, PyTorch, Machine Learning, React, Node.js, Flask, REST APIs, Git, Docker, AWS, AWS Lambda, Amazon S3, Google Cloud Platform, Visual Studio Code, Visual Studio, PyCharm, IntelliJ IDEA, Eclipse, pandas, NumPy, Matplotlib, Unreal Engine, Virtual Reality (VR) Simulation, Computer Vision, Pose Estimation, Data Scraping, Data Preprocessing, Data Analysis, Data Annotation, Deep Learning, Conversational AI, Investment Portfolio Recommendation, Technical Support, Hardware Troubleshooting, Software Troubleshooting, Literature Review, Survey Response Analysis, Prototype Design, Team Collaboration, Data Pipeline Development, Data Visualization, Cybersecurity Education