

ABBHINAV SRIRAM

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EDUCATION

Honors Bachelor of Science in Computer Science

May 2027

University of Florida | Gainesville, FL

GPA: 3.98/4.00

Courses: Data Structures and Algorithms, Introduction to Machine Learning, Information and Database Systems, Introduction to Software Engineering, Operating Systems, Algorithm Abstraction and Design, Natural Language Processing, Regression Analysis

EXPERIENCE

NextEra Energy Inc.

West Palm Beach, FL

Data Science Intern

May 2025 - Aug 2025

- Built a **Python/PostgreSQL** data pipeline centralizing application metrics for a **PowerBI** dashboard, saving the company ~\$60K annually by enabling proactive outage prevention across 650+ applications and 7000+ servers
- Developed a **PowerBI** chatbot with SQL and RAG agents using **Python** and **LangGraph**, automating query summaries and report generation, cutting manual analysis time by 40%

Virtual Experiences Research Group

Gainesville, FL

Undergraduate Research Assistant

May 2024 – Feb 2025

- Collaborated with 3-person team to develop mixed reality simulator for doctor-patient interactions
- Connected **Unreal Engine** to **Node.js** server and integrated **Dialogflow** agent to enhance speech functionality
- Created **Three.js** web platform for hospitals to train and interact with AI virtual agents on health issues of their choice

UpLift

Remote

Product Management Intern

Sep 2024 – Dec 2024

- Led a team of 3 interns to optimize content assignment and user flows for 350,000+ users and providers
- Integrated student-focused psychoeducation content into UpLift's mental health platform, enhancing engagement by 35%
- Collaborated with developers to enhance secure storage for 10,000+ course materials and reduced server load by 20%

PROJECTS

Pooke (AI educational coding tutor)

August 2025 - Present

- Designing AI tutor providing debugging and efficiency hints to conceptually guide learners without giving code solutions
- Utilizing **Next.js** frontend, **FastAPI** backend, and modular AI agents built on **Python** and **LangGraph** for scalability

English Internal Oral Simulator - In collaboration with StudyDojo (YC F24)

Feb 2025

- Pitched and built platform simulating 15-minute IB English oral assessments, serving 2,000+ paying users monthly
- Developed on **Next.js** and **Chakra UI**, leveraging **Supabase** for RAG capabilities and **Amazon S3** for document storage

Vested

Sep 2024

- Collaborated with 3-person team to develop AI-driven platform that provides ESG insights on an inputted stock portfolio
- Drafted initial **Figma** designs, integrated front-end components and web scraper using **React.js** and **NewsAPI**

INVOLVEMENT

Dream Team Engineering

Gainesville, FL

Speech Language Development (SLD) Team Captain

Sep 2025 - Present

- Leading a 6-person team to build an AI speech recognition tool for structured assessments and language transcription in pediatric speech-language research with the UF Shands hospital
- Developed using OpenAI Whisper API, with a **Flask** backend and **React.js** frontend

Sponsorships Director

Apr 2024 – May 2025

- Secured \$8000 in corporate sponsorships from companies including Arthrex, NVIDIA, Mark III Systems, and Autodesk
- Led a 16-person team to organize a 24-hour medical engineering challenge, growing attendance by 50% to 150+ participants

DRIFT Developer

Jan 2024 – May 2025

- Converted large-scale census, mobility, and healthcare datasets into SEIRD model coefficients using **Python** to improve prediction accuracy by 30%

SKILLS

Java, ServiceNow, Python, JavaScript, SQL, TypeScript, R, HTML/CSS, Firebase, Flask, Node.js, Django, Java, Linux, Next.js, AWS, Amazon S3, React.js, C++, LangChain/LangGraph, PostgreSQL, PowerBI, FastAPI