

Contact

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(LinkedIn)

Top Skills

Django REST Framework

LangChain

LangGraph

Arnav Thakrar

Student at University of Connecticut
South Windsor, Connecticut, United States

Experience

Infosys

InStep Intern

May 2025 - July 2025 (3 months)

Hartford, Connecticut, United States

- Developed an agentic AI-powered web application for processing structured data.
- Built the backend using Django REST Framework (DRF), with API testing via Postman and data management using SQL.
- Implemented an agentic workflow with LangChain and LangGraph, enabling autonomous multi-agent processing.
- Integrated Retrieval-Augmented Generation (RAG) using HuggingFace embeddings to provide agents with relevant contextual information.
- Built and deployed an MCP (Model Context Protocol) server using FastMCP, enabling LLM agents to access and utilize external tools through a unified interface.
- Developed the frontend using React and TypeScript for a responsive, interactive UI.
- Used Git and GitHub for version control, feature branching, and collaborative development.

University of Connecticut

Undergraduate Teaching Assistant

January 2025 - May 2025 (5 months)

Storrs Mansfield, Connecticut, United States

- Serve as an Undergraduate Teaching Assistant for CSE 2050: Data Structures & Object-Oriented Programming at UConn, supporting student success in a foundational CS course.
- Teach two lab sections, guiding students through hands-on programming exercises and discussions to reinforce core concepts in data structures and OOP.
- Grade assignments and provide detailed feedback to help students deepen their understanding of algorithms, object-oriented design, and code quality.
- Supervise exams to ensure smooth administration and uphold academic integrity.

- Offer additional student support through office hours and by answering questions both during and outside of class.

theCoderSchool

Coding Tutor

September 2024 - February 2025 (6 months)

Glastonbury, Connecticut, United States

- Empower K–12 students with foundational coding skills through engaging, project-based learning experiences.
- Design and develop customized projects using languages and platforms such as Python, Java, C, C++, JavaScript, Scratch, and Minecraft Education to spark creativity and maintain student interest.
- Conduct one-on-one Code Coaching sessions, crafting personalized curricula based on each student's individual interests and goals for a tailored learning experience.
- Lead group classes of 8–12 students in Python, Scratch, and Minecraft Education, fostering collaboration, technical proficiency, and teamwork skills in a classroom setting.

Clocky

Python Developer Intern

March 2024 - August 2024 (6 months)

- Designed and implemented innovative AI-powered tools and applications tailored to diverse user needs.
- Built an AI-driven story animation platform using Flask, HTML, CSS, JavaScript, and the OpenAI API to deliver an interactive and visually engaging web experience.
- Developed a real-time animal breed identification tool in Python using OpenCV, integrating object detection into a Flask web server for seamless, user-friendly interaction.
- Refactored a web scraping solution utilizing OpenAI, Hunter.io, and other APIs to improve the accuracy and reliability of data collection.
- Automated the extraction of key information—such as CEO names, emails, and websites—for small Amazon brands, streamlining outreach and research processes.

Education

University of Connecticut

Bachelor of Science, Computational Science · (August 2023 - May 2026)

South Windsor High School

High School Diploma · (August 2019 - June 2023)

Udacity

Nanodegree, C++ · (April 2020 - July 2020)

Udacity

Nanodegree, AI Programming with Python · (May 2018 - September 2018)