

Avinash Sriram

972-974-2744 | Nash.Sriram@gmail.com | linkedin.com/in/avinash-sriram | github.com/123Cub123Cub1234

EDUCATION

The University of Texas at Dallas

Bachelor of Science in Data Science

GPA: 4.000

Aug. 2022 – Dec 2024

EXPERIENCE

Software Developer Intern

Aezion Inc.

Jan 2023 – Present

Frisco, TX

- Shaped AeTrack portal system with .Net framework, C#, and database engineering for company usage
- Validated stored procedures for user experience design through thorough database testing
- Implemented REST APIs for seamless client-server communication
- Planned and executed internal testing and UAT deployments, ensuring seamless implementation
- Addressed data issues reported by clients and internal users to ensure optimal system performance and maintain data integrity

Computational Neuroscience Mentorship

New York University

Dec 2020 - May 2021

Remote

- Participated in a 6-month mentorship with Dr. Piper from Neurable
- Developed a game that studied the human brain's adaptability to daily stimuli by modifying keyboard inputs
- Led time console development, test subject recruitment, and post-deployment result analysis for the project
- Analyzed findings from the experiment involving 30+ diverse participants.

PROJECTS

Cardiothoracic Diagnosis | *Python, TensorFlow, Kaggle*

Feb 2023 – May 2023

Code Challenge | *Node.js, MongoDB, Bootstrap, HTML, CSS*

Jan 2023 – Feb 2023

- Created a MEVN stack website for giving college students coding project ideas
- Embedded GPT3 API key to generate automated responses based on user input
- Added a Node.js resume parser for users to highlight relevant coding skills and experience by uploading and analyzing their resumes
- Set up a MongoDB database to store user information for profile development

DOW Jones Trading Bot | *Python, AWS Sagemaker, FinRL, A2C*

Sep 2022 – Dec 2022

- Collaborated with a team of 7 to develop a market trend prediction bot
- Customized the FinRL environment to extract and analyze financial data to inform trading decisions
- Tested and refined the A2C model, optimizing the trading strategy with the team
- Generated a return on investment of 24% for each of the 32 DOW Jones stocks
- Deployed the trading bot to the AWS platform and successfully executed trades on the DOW Jones index

Qwerty Keyboard | *JavaScript, Python, jQuery, Matplotlib, Pandas*

Jan 2021 – Dec 2021

- Designed a website that randomly modified keyboard inputs and collected data on resulting user errors
- Utilized a JavaScript console timer to collect data on correct and erroneous keystrokes from a group of 33 users
- Cleaned and analyzed data through Python, Pandas, NumPy, and Matplotlib
- Examined Pearson statistical and T-test graphs to identify variables impacting typing speed, including confounding variables

TECHNICAL SKILLS

Languages: Python, C++, Java, C#, R, SQL

Web Technologies: Amazon Web Services, JavaScript, Bootstrap

ML/AI: Pytorch, TensorFlow, Q-Learning, A2C

Libraries: Pandas, NumPy, Matplotlib