

Srivaths Ravva

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EDUCATION

SUNY Stony Brook University - GPA: 3.8/4.0

B.S. in Computer Science Honors and Applied Math & Statistics

Stony Brook, NY

August 2022 - May 2026

TECHNICAL SKILLS

Languages: Python | JavaScript | SQL | HTML | CSS | Java | C | Arduino | R | Excel | Lua | Dart | SML

Frameworks/Libraries: PyTorch | Pandas | NumPy | Scikit-Learn | React.js | Next.js | Bootstrap CSS | Material UI | Flutter | Openpyxl | Git | REST APIs | Selenium | Axios

Tools/Other: Vercel | OpenAI Vision API | Google Firebase | Blender

EXPERIENCE

Tennessee Tech University REU

Undergraduate ML Researcher

Cookeville, TN

May - July 2024

- Developed fingerprinting methods for ultrasonic sensors to increase hardware security techniques.
- Classified 8 ultrasonic sensors using supervised ML models (Decision Tree, Multilayer Perceptron).
- Trained models on 22,000 points of distance data (with %error, variance, kurtosis, skew as features).
- Built models with 87% accuracy using Scikit-Learn, NumPy, & Pandas; Arduino to build testbed.
- Drafted a publishable paper on relevant findings of project.

Campus Residences IT

Student Technician

Stony Brook University, NY

September 2022 - May 2024

- Monitored 300+ computers/printers in residential buildings using Quest KACE Management System.
- Assessed technical issues (Software Installation, Hardware/OS issues, Network Troubleshooting).
- Resolved students' technical issues using Team Dynamix & Cherwell IT Service Management.
- Offered excellent customer service to student and professional staff in the Virtual Help Desk.

Sciegen Pharmaceuticals Inc

Data Analyst Intern

Hauppauge, NY

July - September 2022

- Automated data entry in Excel with custom Python script, resulting in 600% faster tasks.
- Developed Python script to automate verification of contracts with 20+ customer companies.
- Reorganized 100+ product sheets in OneDrive folder to make file referencing more efficient.

PROJECTS

Snack Shack

February 2024

- Developed an AI-powered Full-Stack inventory CRUD app using Next.js, React, and Material UI.
- Send images from camera to OpenAI Vision API (GPT-4o-mini) to detect & add objects to inventory.
- Configured Google Firebase as the inventory database with add and remove features.

Takuzu

December 2023

- Developed clickable puzzle game (goal: fill $n \times n$ grids with certain rules) 4 levels w/ 3 puzzles each.
- Using React.js, pure CSS, and Bootstrap CSS. Includes Dark-Mode and music features.
- Linked to Google Firebase for user account authentication to store user score and preferences.

Stock Market Visualizer

June 2023

- Developed Python program to visualize stock-growth for a specified company for past 1-12 months.
- Input is taken as stock symbol data is scraped from NASDAQ using Selenium library.
- Used Pandas to manipulation data, then displayed data as a Candlestick chart using Plotly.