

Srivaths Ravva

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EDUCATION

B.S. in COMPUTER SCIENCE (AI/ML Spec.) + APPLIED MATH Aug 2022 – May 2026
Stony Brook University, GPA 3.8, 6X Dean's List *Stony Brook, NY*

EXPERIENCE

SOFTWARE ENGINEER INTERN Sep 2025 – Present
West Palm Test Prep *West Palm Beach, FL*

- Launched a full-stack exam prep platform www.whiz.study with 50,000+ active users hosted on Vercel.
- Deployed iOS app to App Store with integrated AI Tutor in React Native Expo with 3000+ active users.
- Devised an agentic and interactive AI Tutor with OpenAI APIs, boosting student scores by 40%.

SOFTWARE ENGINEER INTERN Jun 2025 – Aug 2025
Estée Lauder Inc. *New York City, NY*

- Constructed 2 internal Agentic AI chatbots with Microsoft Copilot, reducing file retrieval time by 70%.
- Built CI/CD data pipeline from MongoDB to Microsoft Dataverse via Azure and Power Automate.
- Leveraged Copilot's RAG-like logic to create robust data relations and context across 9,000+ points.
- Integrated chatbot into full-stack web app (React, Express, Node.js) supporting 1,100+ internal users.
- Containerized app with Docker and deployed to Kubernetes for scalable hosting in Azure.

MACHINE LEARNING RESEARCHER May 2024 – Aug 2024
Tennessee Tech University *Cookeville, TN*

- Produced 2 fingerprinting methods for ultrasonic sensors to increase hardware security.
- Classified 8 sensors using supervised ML models (Decision Tree (DT), Multilayer Perceptron (MLP)).
- Trained models on 22,000 points of distance data (features: %error, variance, kurtosis, skew).
- Published scientific journal for IEEE Southeast Conference 2025.
- Achieved 87% Multilayer Perceptron model accuracy, 85% precision, and 70% recall.

DATA ANALYST INTERN July 2022 – Sep 2022
Sciegen Pharmaceuticals Inc. *Hauppauge, NY*

- Automated data entry in Excel with custom Python script, resulting in 600% faster calculations.
- Developed Python script to automate verification of contracts across 20+ customer companies.

PROJECTS

Fly Spy | *React Native, TypeScript, Google Firebase, Google Maps, App Store* Sep 2024 – Sep 2025

- Developed mobile app for 2 platforms (iOS/Android) using React Native, Google Maps, and Firebase.
- Enabled real-time logging of GPS-tagged D. Elegans fly sightings for international research in Taiwan.
- Collected over 1,000 fly sightings across 3 countries during beta phase.
- Deployed to Apple App Store and Google Play with 50+ installs, facilitating 5x faster data collection.

EcoFinder | *React.js, TypeScript, OpenAI API, Webpack Bundler, Axios* Feb 2025

- Won 1st Place for Environmental Sustainability at WiCS HopperHacks among 200+ participants.
- Created Chrome Extension that recommends 3 eco-friendly product alternatives in real time.
- Integrated OpenAI GPT-4 to analyze products and suggest replacements in Amazon, Walmart, etc.
- Achieved 90%+ relevance accuracy across 30+ tested products.

SKILLS

Languages: Python, TypeScript, JavaScript, Java, C, SQL, Arduino, R, Lua, Swift, Dart, HTML, CSS
Libraries/Frameworks: Pandas, NumPy, Matplotlib, Scikit-Learn, React, Next.js, Material-UI, Tailwind CSS, PyTorch, Flutter, REST APIs, Selenium, React Native, Expo, PostgreSQL, Prisma, Windows, Linux
Developer Tools: Vercel, Git, Docker, Power Automate, Dataverse, MongoDB, Google Firebase, Supabase