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 ENGINEERING INTERN Jun 2025 – Aug 2025
Estée Lauder Inc. *New York City, NY*
- Developed 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*
- Developed 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 – Present
- 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 spottings 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.
- Developed 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.

Wolfie AI Tutor | *Next.js, TypeScript, PostgreSQL, Supabase, GPT-4o, Grok, Gemini* Dec 2024
- Developed SAT tutor AI-chatbot for Question Breakdown, Solution Walkthrough, Similar Question.
- Integrated 3 LLMs (GPT-4o, GrokAI, Gemini) and optimized response accuracy, style, and latency.

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: Git, Docker, Power Automate, Dataverse, MongoDB, Google Firebase, Supabase