# Sathya Kumaraguru

Portfolio | LinkedIn | Email

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## EDUCATION

**University of California, Santa Cruz, B.S. in Computer Science | September 2024 – Present**

**California State University of Fullerton, B.S. in Computer Science | August 2022 – May 2024**

*Relevant Courses: Artificial Intelligence, Machine Learning, Data Structures and Algorithms, Object Oriented Programming, Foundations of Programming Languages etc.*

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## SKILLS

- **Programming Languages:** C++, C, C#, Python, SQL, JavaScript, HTML
- **Frameworks/Libraries:** ASP.NET, TensorFlow/Keras, Scikit-learn, Pandas, NumPy, Matplotlib, Kaplay
- **Tools:** Windows, Linux, Git/GitHub/GitLab, Visual Studio Code, Visual Studio, PyCharm, Jupyter Lab/Notebooks

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## WORK EXPERIENCE

**GPT Integrators – Remote | AI Intern (August 2025 - Present)**

- Collaborated with cross-functional teams to design scalable AI solutions and backend systems that automated business processes, enhanced product integrations, and drove measurable increases in client productivity.

**Baskin Day – Hybrid | Logistics Officer (August 2025 - Present)**

- Planned and executed Baskin Day by coordinating event schedules, collaborating with cross-functional teams to design community-building STEM activities, and streamlining workflows that drove high participant engagement and record attendance.

**Lavner Education at UCLA – Los Angeles, CA | Intern/Instructor (June 2025 – August 2025)**

- Deliver quality, educational instruction to elementary and middle school-aged students in a class and one-on-one environment from the provided curriculum for topics including C++ and Python coding, AI concepts, robotics, etc.

**Molina Healthcare – Remote | Software Engineer Intern (June 2024 – September 2024)**

- Developed web-based applications with SQL, C#, and ASP.NET to manage healthcare claim data, while supporting Molina Healthcare IT operations and coordinating team assignments to ensure accurate and efficient claim processing.

**CIC-PCUBED Summer Research – Fullerton, CA | Researcher (June 2023 – July 2023)**

- Designed and implemented a data science project in Python and the Scikit-learn framework that clusters basketball players from an unorganized CSV file based on similarities in their stats.

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## PERSONAL PROJECTS

**Handwriting AI Project: Who's That Pokémon?**

- Developed a machine learning project in Python using the EMNIST dataset to recognize handwritten letters and predict corresponding Pokémon, and integrated the model with a JavaScript/HTML web interface for real-time interactive predictions.

**Image Classification Project: Burger vs. Pizza**

- Completed an image classification project using TensorFlow/Keras, demonstrating proficiency in building and training neural networks to categorize images. This project showcased foundational skills in deep learning and model evaluation.

**Running Game Project: Capybara Run!**

- Developed a 2D side-scrolling runner game in JavaScript and HTML by applying object-oriented programming principles and managed game state, demonstrating foundational skills in software development and problem-solving.