**Pranaav Iyer**

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**SKILLS**

Programming Languages: Python, React.js, SQL, C/C++, Java, Javascript, CSS, HTML

Development Tools: Docker, Flask, Jupyter Notebook, OpenCV

AI/Machine Learning: TensorFlow, PyTorch, NLP, OCR, Automation

**EDUCATION**

**NEW YORK UNIVERSITY** New York City, NY

Master of Computer Science Expected May 2027

Courant Institute of Mathematical Sciences

Relevant Coursework: Algorithms, Artificial Intelligence, Programming Languages

**PURDUE UNIVERSITY** Fort Wayne, IN

Bachelor of Science Jul 2021 - May 2025

Major in Computer Science; Double Minor in Mathematics and Business

Cumulative GPA: 3.4

Relevant Coursework: Data Structures, Linear Algebra; Software Engineering; Computer Architecture; Statistical Methods, Database Systems, Computer Security, Computer Networks, Analysis of Algorithms

**WORK EXPERIENCE**

**AVYAY SOLUTIONS**  San Jose, CA

Machine Learning Intern May 2022 – Aug 2022

* Improved product performance by 15% through data visualization and machine learning algorithm optimization.
* Collaborated with Google engineers to implement solutions, reducing customer issue resolution time by 20%.
* Developed a comprehensive whitepaper for recruits to break into Image AI (Google’s OCR) technology, designed to scan labels and input data into models, improving training efficiency

**KRYPT, INC.** San Jose, CA

Documentation Intern May 2019 – Aug 2020

* Contributed to the writing, review, and updating of a 20+ page technical document for AI and Machine Learning Products, enhancing technical documentation accuracy by 25%, streamlining user onboarding.
* Contributed to a harmonized classification plan positioning to enhance compliance efforts by 20% by 2024
* Accumulated over 200 hours of hands on experience through 2 consecutive internships

**UNIVERSITY PROJECTS**

**ASL VIDEO TRANSLATOR** August 2024

* Developed a web application translating English into American Sign Language (ASL) using self-trained models to break communication barriers for the deaf community
* Created a live-streaming system with OpenCV and Python, achieving real-time ASL recognition integrated with ChatGPT for contextual accuracy
* Authored 2 research papers sent to IEEE and JMAI detailing the system’s architecture, model design, and evaluation metrics as part of an academic research initiative

**AI TRADING BOT** June 2021

* Developed a ThinkorSwim trading bot that leverages artificial intelligence to analyze market data and chart signals in real-time
* Mastered the principles of trading, including fundamental and technical analysis, trading strategies, and the ThinkorSwim platform’s advanced charting and technical analysis tools
* Designed and implemented algorithms that can process vast amounts of market data, identify potential trading opportunities, and execute trades with speed and precision

**AI-POWERED NEWS WEBAPP** August 2023

* Delivered a dynamic, responsive platform with customizable filters, ChatGPT powered summaries, and saved searches, ensuring quick and personalized access to relevant news on any device
* Implemented advanced filtering to remove duplicate and inappropriate articles
* Enabled account creation and login systems, preference saving, personal feed managing, and saved news accessing across devices