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