Pranaav Iyer

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SKILLS

Technical Skills: Full Stack Development, Python, React.js, SQL, Docker, Java, C/C++
Data Skills: AI/Machine Learning, Automation, NLP, OCR (Image Learning Processing)

EDUCATION

PURDUE UNIVERSITY
Fort Wayne, IN

Bachelor of Science — Expected 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, Intro to C; Java 1&2; Computer in Business (Excel Training)

VALLEY CHISTIAN HIGH SCHOOL
San Jose, CA

Cumulative GPA: 3.7 — Jul 2016 - Jul 2021

WORK EXPERIENCE

AVYAY SOLUTIONS
San Jose, CA

Machine Learning Intern — May 2022 – Aug 2022

- Analyzed 500+ data sets that companies gave of products with the Pandas library, and created 10+ visualizations using machine learning algorithms (Random Forest Model, KNN, Pandas, Plotly, Seaborn), which improved product performance by 15%
- Collaborated with Google engineers and AI specialists for over 20 hours to solve customer issues, which will lead to a 20% reduction in problem resolution time
- 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, ensuring a 25% increase in accuracy for customers
- 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

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

VOICEWISE – VOICE RECOGNITION SOFTWARE
August 2023

- Developing PyTorch-based voice recognition software with the capability to distinguish between human and AI-generated voices in audio inputs
- Invested substantial time and effort in scouting and curating diverse datasets containing AI and human voices to ensure accurate voice differentiation

AIRBNB-CLONE – FULL STACK DEV PRACTICE
August 2023

- Used React, Tailwind, Prisma, MongoDB, and NextAuth 2023 to create a clean replica of Airbnb with full functionality
- Animations, responsiveness, authentication, image upload ability, server and client-side task handling
- https://airbnbclone-b3tj.onrender.com

SAAS-PROJECT – FULL STACK DEV PRACTICE
August 2023

- Developed fully functional SaaS App integrating Tailwind, Clerk, and AI APIs
- Tailwind design, Clerk Authentication, form validation, server error handling, AI features (Image, Video, Conversation, and Music generation), page loading state indicator, stripe integration

ACTIVITIES

Quantum QIskit Fall Fest   Fort Wayne, IN
School Hackathon   Oct 2023
- Participated in the Quantum Fall Fest Hackathon organized by Purdue University Quantum and AI Center (QUAIC) and the Department of CS