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Snehith Nayak

Computer Engineer

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EDUCATION

University of California Santa Barbara | *B.S. Computer Engineering* 2020 – 2024
Emphasis on Machine Learning and Artificial Intelligence GPA: 3.4
Current Classes: Advanced Python, Statistics, Physics, and Computational AI/ML
Organization Positions: IEEE (*project member*), CaseSB (*data analyst*)

PROJECT EXPERIENCE

Emotion Recognition Deep Learning Project Mar 2022

- Utilized convolutional neural network (CNN) to recognize 7 different human emotions based on the person's facial expression up to 82% accuracy using PyTorch ML framework.
- Implemented a frontend GUI in MATLAB and trained by web crawling with Python scripts.

TensorFlow Predictive Analysis - Stock Market Trend Jan 2022

- Developed a predictive model using sentiment analysis with TensorFlow framework.
- Created GUI visualization of sentiment analysis data with 10,000+ news articles.
- Utilized APIs to crawl news articles to find positive/negative pointers.

Supply Chain - Process Optimization Dec 2021

- Ran regression to optimize output for a manufacturing company at a national club conference.
- Optimized manufacturing machines, workers, and total output to maximize monthly revenue.
- Awards: 3rd Place Silicon Valley Conference, 1st Place States Conference, 2nd Place Nationals.

Full-Stack Development and Optimization Oct 2020

- Developed an interactive website for tutoring company as a platform to connect tutors and tutees and provide an automatic scheduling calendar.
- Utilized PHP/SMTP to provide email functionality, SEO, and optimized hosting with Google Firebase.

CERTIFICATIONS

Neural Networks and Deep Learning Jan 2022
by deeplearning.ai

SKILLS

Applications	Languages	Cloud-Based Tech	Frameworks
Linux, Excel, PowerPoint, CUDA, Firebase, Jira	Python, C++, SQL, GIT	AWS, Azure, Firebase, Boomi	TensorFlow, PyTorch, Hadoop, Power BI, Tableau

WORK EXPERIENCE

Synopsys Santa Clara, CA
Applications Development Intern Jun – Aug 2022

- Working on developing data analysis processes and systems that run continuous operations.
- Responsible for cross-functional integration and data synchronization, finance, payroll, accounting, procurement, IT, and ERP system.
- Responsible for future-proof development and ongoing optimization through usage of ML Frameworks.

NPTutoring San Jose, CA
CEO / Software Development Jan – Dec 2020

- Created a Non-Profit tutoring company entirely from scratch including HTML/CSS/PHP website development, SEO, marketing, tutoring students in STEM subjects, TCP/IP, and website hosting.
- Partnered with Saraswath Learning Foundation to improve educational facilities around the world and simultaneously tutor children in the local community.