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Snehith Nayak

EDUCATION

University of California Santa Barbara | *B.S. Computer Engineering* 2020 - 2024
Emphasis on Machine Learning and Computer Programming GPA: 3.6
Current Classes: Theories of CS, HRDW/SFTW Interface, Computer Architecture, Machine Learning Design

WORK EXPERIENCE

Synopsys | *Application Development Technical Summer Intern* Santa Clara, CA
Jun-Sep 2022

- Developed data analysis processes and systems that run continuous operations.
- Responsible for remodeling cross-functional integration and data synchronization, finance, payroll, accounting, procurement, IT, and ERP system.
- Automated contractor onboarding process saving 22,000 employee hours annually.

Chipotle | *Assistant Order Manager* San Ramon, CA
Jun-Sep 2021

- Managed orders, back-room inventory, and customer service.
- Streamlined process for resource scheduling based on forecast of seasonal demand and current inventory.

NPTutoring | *CEO / Software Development* San Jose, CA
2018-2020

- Created a Non-Profit tutoring company.
- Utilized skills in Web Development and SEO to launch a website including TCP/IP for a scheduling calendar.
- Raised >\$5,000 and Partnered with Saraswath Foundation to improve educational facilities around the world and simultaneously tutor children in the local community.

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 Dec 2021

- 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 Nov 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.

Full-Stack Development and Optimization Oct 2021

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

SKILLS

Applications: Linux, Excel, PowerPoint, CUDA, Firebase, Jira
Languages: Python, C++, HTML, CSS, PHP
Cloud-Based Tech: AWS, Azure, Firebase, Boomi
Other: Tensorflow, PyTorch, Hadoop, Power BI, Tableau

CERTIFICATIONS

Neural Networks and Deep Learning | *deeplearning.ai* Jan 2022
Boomi Professional Developer Certification | *Boomi Education* Aug 2022