VAISHNAVI PALASAMUDRUM

P: +1 9085651447 | vpalasam@andrew.cmu.edu | https://github.com/vaishnavipalas

EDUCATION

CARNEGIE MELLON UNIVERSITY   Pittsburgh, PA
Bachelor of Science, Major in Information Systems   Expected May 2028
Cumulative GPA: 4.0/4.0; Dean's List, High Honors
Relevant Coursework: Designing Human-Centered Software, Reasoning with Data, Fundamentals of Programming & CS, Information Systems Milieux, Human Intelligence & Human Stupidity, Interpretation and Argument, Linear Algebra

PROFESSIONAL EXPERIENCE

CMU UNDERGRADUATE CONSULTING CLUB (UCC)   Pittsburgh, PA
Consultant, Perflection AI   Feb. 2025 – Present
- Conducted market research using Python and SQL to analyze AI adoption, industry trends, and competitor positioning.
- Developed pricing and go-to-market strategies based on data analysis and consumer demand insights.

HAYLON TECHNOLOGIES INC.   Iselin, NJ
Operations and Engineering Intern   Aug. 2023 – Dec. 2023
- Streamlined project management and team productivity by designing and implementing an optimized Notion workspace.
- Transitioned to engineering roles, quickly learning PCB design principles to contribute to drone technology initiatives.

NORTHEASTERN UNIVERSITY   Boston, MA
Research Assistant   Jun. 2023 – Aug. 2023
- Analyzed AI bias's financial impact with a professor, contributing to a peer-reviewed paper for a global conference.
- Synthesized findings from 20+ academic papers into actionable insights, demonstrating strong analytical and research skills.

PROJECTS

AI/TWO-PLAYER DOODLE JUMP - Fundamentals of Programming & CS Final Project   Dec. 2024
- Designed and implemented a multiplayer adaptation of "Doodle Jump" using Python and the CMU Graphics library.
- Developed an AI opponent powered by board-analysis algorithms, enabling strategic decision-making and competition.
- Enhanced player engagement with user-customizable themes and dynamic obstacles, ensuring immersive experiences.

YELP REVIEWS SENTIMENT CLASSIFICATION PROJECT   Jul. 2024
- Built a logistic regression model using Scikit-learn to classify Yelp reviews positively and negatively (74.5% accuracy).
- Preprocessed text data with tokenization, lemmatization, and stopword removal using NLTK and SpaCy.
- Visualized data insights and trends with Matplotlib, Seaborn, and WordCloud to interpret sentiment patterns effectively.

LEADERSHIP & EXTRACURRICULARS

CMU BUSINESS TECHNOLOGY GROUP   Pittsburgh, PA
Software Engineering Committee   Oct. 2024 – Present
- Worked with a cross-functional team to build a campus app, using real-time data to enhance students' gym access.
- Designed and implemented user-friendly interfaces using React and Javascript.

ODYSSEY OF THE MIND   Edison, NJ
Team Captain   Sep. 2020 – May 2024
- Directed a team to success in state-level competitions by devising innovative solutions to open-ended challenges.
- Promoted collaboration through brainstorming, task delegation, and iterative problem-solving to meet project milestones.

SKILLS

Languages & Tools: Python, SQL, Java, JavaScript, React, HTML, CSS
Other: Figma, GitHub, Microsoft Suite, Google Workspace
Interests: Design, Data Analysis, Machine Learning, Volunteering, Lacrosse, Soccer, Band