Shreyansh Ediga Lakhamsani

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Education

University of California, Santa Cruz   *Class of 2027*

B.S. in Computer Engineering GPA: 4.0
Relevant coursework - Programming Abstractions: Python, Computer Systems and Assembly Language,
Object Oriented Programming Java, Linear Algebra, Discrete Mathematics,

Folsom Lake Community College

Classes - CISP300 Algorithm Design, CISN304 Networking Technologies

Other

Coursera - Algorithms (Princeton), Deeplearning.ai - Prompt Engineering

Experience

Software Engineering Intern | Spica | Summer 2024

➤ Developed a Python-based application integrating Google and OpenAI APIs to create personalized trip itineraries, allowing users to plan trips, select activities, and receive detailed location data.
➤ Collaborated with cross-functional teams to implement seamless API integration, enhancing the user experience by providing dynamic, AI-generated content and recommendations.

Projects

Wordle Clone

➤ Developed a Java-based clone of the popular Wordle game, incorporating search algorithms and optimization strategies like greedy-min-max to improve the guessing process.
➤ Implemented letter frequency analysis across the Wordle dictionary to enhance the algorithm's accuracy, resulting in faster solution times and better user experience.

Poker Website + Hand Strength Calculator

➤ Designed and deployed an interactive website using HTML, CSS, JavaScript, and Python to educate users on the mathematically optimal way to play poker.
➤ Created a Python-based hand strength calculator, using probability algorithms to evaluate poker hands and provide winning probabilities based on real-time data, improving the decision-making process for users.
➤ Website: shreyediga.github.io/PokerForBeginners/

Skills

Technical: Java, Python, JavaScript, Open AI API, Google API, Github, ElevenLabs, Microsoft Office, Tutoring