PARAM VENKAT VIVEK KESIREDDY

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EDUCATION

California State University, Fullerton   Expected Graduation: May 2024

Master of Science, Computer Science - GPA: 3.88 / 4.0

Coursework: Advanced Algorithms, Advanced Database Management, Modern Software Management, Advanced Blockchain Technologies, Software Measurement, Software Testing, Software Process, SaaS

Sreenidhi Institute of Science and Technology, Telangana, India   June 2022

Bachelor of Technology - Electronics & Communications Engineering – GPA: 8.78 / 10.0

Coursework: C/C++, Data Structures, Computer Organization & Architecture, Java Programming, Cyber Security, Artificial Intelligence, Internet of Things & Applications, Database Systems, Computer Networks, Operating Systems Concepts

TECHNICAL SKILLS

- **Languages & Frameworks:** C/C++, Python, Java, HTML, CSS, JavaScript, React.js, Node.js, Django, Flask
- **Notebooks, IDE & Version Control:** Jupiter, Google Collab, Visual Studio Code, Atom, Git, GitHub
- **Database, Cloud, Project Management & Other Tools:** MySQL, MongoDB, AWS, Jira, Scikit-learn

WORK EXPERIENCE

Teaching Associate: Department of Computer Science, CSUF   August 2023 - Present
- Prepared course materials and delivering lectures for subject CPSC 323 Compilers & Languages
- Evaluated assignments, projects, and exams, providing tailored feedback resulting in a 15% increase in student performance
- Held regular office hours for support, integrating technology for enhanced teaching and enlightenment

Project Intern: Microchip Academic Program, SNIST Microchip Academy   April 2021 - May 2021
- Performed programming and debugging tasks for AVR micro-controllers and Arduino boards, resulting in a 20% improvement in code efficiency and reliability
- Collaborated with a team of 3 to resolve technical challenges leveraging expertise in C++ to deliver high-quality solutions

PROJECTS

Discover Diary - MERN Full Stack Application
- Created a full stack React.js application with Node.js, Express.js & MongoDB (MERN) where users can share places visited with other users

Algorithm Efficiency Analyzer Tool
- Built a tool using React.js and Flask allowing users to input a list of numbers, select a sorting algorithm, and visualize efficiency through a GUI interface

Automate Emotion Analysis of Textual Comments and Feedback
- Developed a machine learning model for automated emotion analysis in text across 6 primary emotions and achieved an accuracy of 90%

Titan Payment System
- Engineered a Python project operating Data Structures and Algorithms, optimizing user processes with detailed analytics, including card-specific fee calculation

Safeguarding Online Spaces: A Machine Learning Approach to Cyberbullying Detection
- Built a Cyberbullying detection System to achieve an accuracy of 92% on a public social media dataset leveraging Machine Learning approach

LEADERSHIP & INVOLVEMENT

General Secretary: Bachpan Prayas (A Student run NGO)   March 2021 - January 2021
- Led 10+ initiatives to support underprivileged children in Hyderabad, focusing on eradicating illiteracy and promoting a happy childhood