Janhvi Guha

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EDUCATION

California State University, Fullerton   **August 2022 - May 2024**
Master of Science, Computer Science   Fullerton, CA
- **Courses:** Advanced algorithms, System and software studies, Advanced software process, Advanced blockchain process, Professional Issues for software engineers, web back-end engineering, mobile application development

GPA: 3.78 / 4.0

TECHNICAL SKILLS

- **Languages:** Java, C, Python, HTML, CSS, JavaScript
- **Frameworks:** SAS Visual Analytics, MySQL, Agile, Kubernetes, Google Cloud Platform, Git, ReactJS, React Native, NodeJS, MongoDB, FastAPI, Tableau

CERTIFICATES

- Architecting with Google Compute Engine, SAS Visual Analytics, Cloud computing,

WORK EXPERIENCE

Data Analyst/ Data Scientist Intern   **August 2023 - Present**
Infineon Technologies Americas Corporation   El Segundo, CA
- Optimized product marketing algorithms using regression algorithm and Tableau, boosting click-through rates by 30% and slashing customer acquisition costs by 20% through targeted optimizations and segmentation strategies
- Authored an internal product gazette utilizing Microsoft SharePoint and Python scripting to inform the company about new product releases, resulting in a 50% increase in employee engagement with the latest products
- Achieved a 15% boost in search traffic and reduced bounce rate by 10% through website content and design enhancements using JavaScript, driven by user feedback and market trends

Research Assistant   **May 2023 - Present**
Social Studies Research Center, California State University Fullerton   Fullerton, CA
- Standardized survey data collection accuracy and completeness by implementing data validation techniques and using tools such as Microsoft Excel and Python scripting, leading to a remarkable 95% completion rate of the dataset
- Accomplished 30% increase in data analysis efficiency by identifying and addressing data anomalies using SAS Visual Analytics

Student Assistant – Student Success Coach   **January 2023 - May 2023**
Division of Academic Affairs, California State University Fullerton   Fullerton, CA
- Mentored first-generation undergraduate students and boosted student engagement by orchestrating monthly social events through a custom React Native mobile application, resulting in a 20% increase in student participation
- Generated engaging digital marketing content using Canva for academic programs' social media platforms, resulting in a 15% increase in followers and a 10% increase in program enrollment

Web Development & Programming Intern   **May 2021 - June 2021**
Oil and Natural Gas Corporation   Mumbai, India
- Developed a cost-effective prototype for worldwide oil and gas well drilling using Axios for API calls and Redux for data store management, achieving an estimated 15% reduction in expenses
- Transformed user experience using ReactJS for front-end development and Git for version control, introducing real-time cost comparison features and customizable filters, resulting in 20% reduction in time required for drilling analysis
- Implemented seamless data flow and retrieval for users by developing back-end functionality using the Spring framework, Postman for testing and PostgreSQL database, improving data accessibility and processing speed, reducing query response time by 30%

PROJECTS AND PUBLICATIONS

MedPred - Medicine Predictor   **August 2021 - April 2022**
- Coded MedPred - medicine predictor, by collaborating with a team of three; attained 92.83% accuracy using advanced ML algorithms like Decision Tree and linear regression, leveraging symptom data and RestAPI drug name extraction
- Spearheaded research initiative to build a medicine prediction tool, collecting over 10,000 unique healthcare entries by scraping data from UC Irvine repository and MedicinePlus webpages using web scraping library BeautifulSoup in Python
- Improved user experience by utilizing Google Analytics to analyze user interface, resulting in a 40% reduction in page loading time through the strategic application of optimization techniques

Comparative Study on Hierarchical and Density - based Methods of Clustering Using Data Analysis   **October 2019 - January 2021**
- Managed a team of four members to assess the practical utility of various data mining and clustering algorithms for data analysis
- Showcased the research findings at the ICICNIS'20 conference, reaching an audience of over 200 researchers and industry professionals