Praneeth Ravuri

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EXPERIENCE

Cognizant   Jan. 2022 – Jun. 2022
Software Development Intern   Hyderabad, Telangana

- Engineered complex development plans leveraging Waterfall, Agile, and Rapid Application Development methodologies to complete projects in 90% of sprints.
- Developed and maintained multiple enterprise-level web applications using Restful APIs, resulting in a 30% increase in overall system performance by implementing proper CDNs

Stige   Aug. 2021 – Oct. 2021
Frontend Intern   Hyderabad, Telangana

- Developed and delivered 3 optimized HTML/CSS website builds that corresponded to client wireframes and visuals, resulting in a 95% client satisfaction rating
- Partnered with UX designers to ensure compatibility between design elements and application programming interfaces, ensuring product functionality across 35+ browsers

PROJECTS

Speech Emotion Recognition

- Designed and implemented a speech emotion recognition system using deep learning techniques to accurately identify emotions in speech signals
- Achieved an accuracy rate of over 80% in emotion detection using a Convolutional Neural Network (CNN) architecture, outperforming the other models tested

Yelp Restaurant Review Classification

- Programmed KNN algorithm to automate classification of 101k Yelp restaurant reviews, labeling into 4 categories with an accuracy of 87%
- Analyzed and monitored model performance across the Yelp reviews to adjust hyperparameter optimization, elevating initial accuracy by 20%

Drug Activity Prediction

- Leveraged machine learning techniques to build a predictive model that identified 50 candidate molecules with a drug activity probability of 80%
- Executed systematic exploration of different approaches to feature selection and data preprocessing techniques, resulting in more efficient utilization of computational resources

EDUCATION

George Mason University   Aug. 2022 – May. 2024
Master of Science in Computer Science   Fairfax, Virginia

Gokaraju Rangaraju Institute of Engineering and Technology   Aug. 2018 – May. 2022
Bachelor of Technology in Computer Science and Engineering   Hyderabad, Telangana

SKILLS & TOOLS

Skills : Python, C, C++, HTML/CSS, JavaScript, JSONiq, Zorba, Bootstrap, SQL, Node JS, Jest, JQuery
Tools : Adobe Premier Pro, Gimp, Git, GitHub, VS Code, Pycharm