SAI SPOORTHY VARALA

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EDUCATION

California State University, Fullerton   Expected Graduation: May 2024
Master of Science, Computer Science   GPA: 3.7/4.0
Coursework: Advanced Algorithms, Advanced Database Management System, Web -Backend Development Advanced Blockchain Technology, Cloud Computing, Software Verification and Validation

Sreenidhi Institute of Science and Technology   May 2021
Bachelor's in Computer Science and Engineering
Coursework: Data Structures, Object Oriented Programming, Database Management System, Machine Learning, Artificial Intelligence, Web Technologies

TECHNICAL SKILLS

Programming Languages: C, Python, Java HTML, CSS, Javascript, ReactJS, Angular
Libraries: NumPy, Pandas, Scikit-Learn, Matplotlib, OpenCV, Seaborn, Keras
Frameworks: MySQL, Spring, Flask, Angular, Spring Boot, Agile Development

WORK EXPERIENCE

Accenture Solutions   Hyderabad, India
Application Development Analyst   August 2021 – July 2022
- Migrated all Teamcenter data to Azure Cloud and specialized in utilizing platform for seamless installation and upgrade of Teamcenter modules, resulting in a 23% cost reduction
- Deployed and configured BMIDE components in collaboration with three team members, ensuring seamless integration and optimal functionality within system architecture
- Executed server software installation, configuration, and troubleshooting to optimize performance environment, resulting in a 40% reduction in defect rate
- Engaged in management meetings with 2 project leads for project planning, suggesting improvements in code quality, application performance, and optimization strategies

Techvolt   Coimbatore, India
Machine Learning Intern   June 2020 – July 2020
- Conducted thorough data preprocessing, feature engineering, and model evaluation during one-month ML internship
- Explored Machine Learning algorithms, achieving 15% accuracy increase through comparative analysis
- Collaborated remotely with a team of 10 to discuss findings, share insights, and propose improvements for future iterations

DoelSoft Solutions   Hyderabad, India
Web Development Intern   June 2019 – July 2019
- Developed a dynamic hotel booking website leveraging Java, with robust server-side functionality handling user requests and database interactions, leveraging Java frameworks and libraries
- Integrated payment gateways for seamless transactions and conducted rigorous testing with over 20 transactions to ensure reliability
- Deployed website on a web server for high availability and performance, utilizing HTML, CSS, and JavaScript for front-end development

PROJECTS

Customer Segmentation Using RFM analysis and Clustering   January 2024 - Present
- Utilized RFM analysis for customer categorization and implemented K-means clustering for refined segmentation, enhancing personalization and customer engagement

Sentimental Analysis using Machine Learning and Amazon Sage maker   September 2023 - November 2023
- Achieved 89% sentiment identification accuracy using TensorFlow, employed AWS Gateway API for SageMaker interaction and integrated Flask backend for streamlined analysis

Face Recognition Using Machine Learning for Security and Surveillance   January 2021 - April 2021
- Deployed face detection and identification system in real-time using CNNs, SVMs, and LBP Histogram, enhancing access control and monitoring

Cardiac Attack Risk Prediction Webapp   June 2019 - August 2019
- Designed and implemented a web-based Machine Learning application employing random forest algorithm to predict chances of a cardiac attack, achieving 89% accuracy

ACHIEVEMENTS

- AZ - 900 Microsoft Azure Fundamentals
- NPTEL Certification in DBMS and Problem Solving through C