

SAI SPOORTHY VARALA

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Education

California State University, Fullerton

08/2022 – 05/2024

Master of Science in Computer Science

Coursework: Advanced Algorithms, Advanced Database Management System, Advanced Blockchain Technology, Modern Software Management, Software Verification and Validation.

Sreenidhi Institute of Science and Technology

06/2017 – 06/2021

Bachelor's in Computer Science and Engineering

Coursework: Data Structures, Object Oriented Programming, Machine Learning, Artificial Intelligence

Skills

- **Programming Languages:** Python, Java, C.
- **Web Technologies:** HTML, CSS, Bootstrap, Java script
- **Libraries:** NumPy, Pandas, Scikit-learn, Matplotlib
- **Data Management:** SQL
- **Others:** Spring, Spring Boot, Agile Development

Professional Experience

Application Development Analyst, Accenture Solutions - Hyderabad, India

08/2021 - 07/2022

- Deployed and configured BMIDE components, ensuring proper integration and functionality.
- Installed and upgraded Teamcenter modules on Azure Cloud, ensuring seamless operations.
- Analyzed software problems and developed effective solutions and coding fixes.
- Executed server software installation, configuration, and troubleshooting for optimal performance

Machine Learning Intern, Techvolt, Coimbatore, India

06/2020 - 07/2020

- Worked as a remote intern, focusing on machine learning algorithms.
- Utilized multiple regression algorithms to analyze real-time datasets with diverse attributes.
- Employed machine learning techniques to predict target values based on the dataset characteristics.
- Conducted data preprocessing, feature engineering, and model evaluation to optimize algorithm performance.
- Collaborated remotely with the team to discuss findings, share insights, and propose improvements for future iterations.

Web Development Intern, DoelSoft Solutions - Hyderabad, India

06/2019 - 07/2019

- Designed and developed a dynamic online hotel booking website using Java
 - Implemented robust server-side functionality to handle user requests, database interactions, and data processing.
 - Utilized Java frameworks and libraries to create a scalable and secure web application.
 - Integrated payment gateways and ensure seamless transactions for users.
 - Conducted rigorous testing and debugging to ensure the website's stability and functionality.
 - Deployed the website on a web server, ensuring high availability and performance.
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Projects

Cardiac Attack Risk Prediction Webapp

- Designed and developed a web based Machine Learning application to predict cardiac attack chances by inputting past data into the ML classification model.
- Used Random Forest Algorithm to achieve the results.

Sentimental Analysis using Machine Learning and Amazon Sage maker

- A Sentiment analysis project was implemented using machine learning methods, Amazon API Gateway Mapping Templates, and Amazon SageMaker.
- Developed a model to analyze text data automatically and identify sentiment (positive, negative, or neutral).
- SageMaker was used to provide real-time sentiment prediction after configuring an API Gateway to receive and evaluate text input.

Face Recognition Using Machine Learning for Security and Surveillance

- Developed a facial recognition system using machine learning to enhance security protocols.
- Achieved real-time face detection and identification, improved access control and monitoring using Machine learning using convolution neural networks and support vector machine, and also used local binary pattern histogram to achieve the results.

Achievements

- AZ - 900 Microsoft Azure Fundamentals