

SAIERANGAN G V

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EDUCATION

2020 - 2024 **B.Tech in CSE-AIML, SRM Institute of Science and Technology, Chennai** **CGPA: 9.63/10.0**

WORK EXPERIENCE

- **Application Engineer-ML, Tiger Analytics** Aug 2024 - Present
 - Engineered scalable machine learning models with Databricks, ReactJS, and Django, enhancing performance and security.
 - Optimized automation pipelines, integrating cloud-based solutions via Azure, improving efficiency by 25%.
 - Led cross-functional collaboration to design and deploy robust applications, enhancing team productivity and project outcomes.
- **Machine Learning Engineer Intern, Tiger Analytics** Jan 2024 - Jul 2024
 - Developed a POC for MARS using Databricks and Power Automate, boosting data processing workflows by 20%.
 - Enhanced data pipelines and automated reporting processes, reducing manual tasks by 30%.
 - Demonstrated advanced data structure, algorithmic skills, and critical thinking.
- **Machine Learning Intern, Coincent-IIT Guwahati** Oct 2022 - Dec 2022
 - Developed predictive models for self-driving cars, improving delivery time by 25%.
 - Engineered real-time data processing algorithms, focusing on scalability and performance.
 - Showcased adaptability and strong technical communication skills.
- **Machine Learning Intern, Internship Studio** Jul 2022 - Sep 2022
 - Built a YouTube Adview prediction model, increasing accuracy by 18%.
 - Conducted thorough data analysis and feature engineering to optimize model performance.
 - Demonstrated initiative and innovative problem-solving abilities.

PROJECTS

- **Employee Management System**
 - Developed a comprehensive Employee Management System using React and Node.js.
 - Implemented dual login functionality: Employee and Admin.
 - Enabled Admin users to add employees, assign tasks, and manage projects.
 - Provided employees with functionalities to view their profiles, update task statuses, and track their project progress.
 - Utilized React for front-end development and Node.js for back-end services, ensuring seamless user experience and data management.
- **ChatGPT Sentiment Analysis - LSTM and CNN**
 - Led development of sentiment analysis models using LSTM and CNN, achieving 90% accuracy.
 - Managed deployment and optimization of models for efficient text data classification.
 - Demonstrated effective team leadership and project management skills.
- **Sleep Health and Stress Prediction**
 - Developed predictive models with Decision Tree and Random Forest, improving accuracy of stress level estimations by 15%.
 - Integrated diverse data sources, enhancing model robustness and reliability.
 - Highlighted strong collaboration and problem-solving capabilities.
- **Land Cover Classification**
 - Implemented transfer learning techniques, boosting classification accuracy by 20%.
 - Improved land cover mapping processes for environmental monitoring.
 - Demonstrated analytical thinking and meticulous attention to detail.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, JavaScript, HTML, CSS, C++
- **Cloud Platforms:** Azure
- **Tools:** Snowflake, Databricks, Docker, Spark, Git
- **Frameworks & Libraries:** Django, ReactJS, LangChain, LlamaIndex, Node.js, Streamlit
- **Data Science Skills:** Data Analysis, Predictive Modeling, Statistical Analysis, Machine Learning, NLP, Neural Networks, Data Visualization, Data Cleaning, Chatbot Development, Computer Vision
- **Visualization Tools:** QuickSight, PowerPoint, Excel

CERTIFICATIONS

- Neural Networks and Deep Learning - Coursera
- AI-900: Microsoft Azure Fundamentals
- Machine Learning Training - Internship Studio
- Divide and Conquer, Sorting and Searching, and Randomized Algorithms - Coursera
- Django for python Developers - Udemý
- Django REST Framework - Udemý