

Bala Sai Satya Srinivas Aravapalli

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EDUCATION

- **University of North Carolina at Charlotte** Charlotte, NC
Masters of Science in Computer Science; GPA: 4/4 Aug 2022 - Dec 2023
Courses: Algorithms and Data Structures, Applied Databases, Software System Design and Implementation, Database Systems, Computer Communication and Networks, Big Data Analytics for Competitive Advantage
- **Vel Tech Rangarajan Dr.Sagunthala R and D Institute of Science and Technology** Chennai, India
Bachelor of Technology in Computer Science and Engineering; CGPA: 8.25/10 Aug 2016 – May 2020
Courses: Data Structures, Operating Systems, Design and Analysis of Algorithms, Artificial Intelligence, Data Warehousing and Data Mining

EXPERIENCE

- **Storage Administrator**
Tata Consultancy Services, Hyderabad, India July 2020 - July 2022
Technologies: SAN, NAS
 - Configured and managed multiple storage devices, including Netapp, HPE MSA, pure storage, Synology, VMAX, and EMC, as well as switches from Cisco and Brocade.
 - Troubleshoot storage and switch-related issues, ensuring minimal downtime and maximum efficiency.
 - Provisioned storage for new servers, created ISCSI LUNs, and expanded storage volumes as required.
 - Collaborated with vendors and specialists to resolve critical problems and maintain optimal storage performance.
 - Managed storage cleanup activities, including storage reclamations, host group creation, and storage shelf expansions.
- **C1 Software Engineer**
Mindtree Kalinga, Bhubaneswar, India January 2020 - March 2020
Technologies: HTML, CSS, Bootstrap, Java, JavaScript, MongoDB, React.js
 - Completed a comprehensive full-stack web development training program with expertise in front-end technologies such as HTML, CSS, and JavaScript, and back-end technologies such as Node.js and MongoDB.
 - Developed dynamic web applications through multiple hands-on projects and assignments during the training program.
 - Gained valuable knowledge and experience in software development methodologies, including Agile, Scrum, and Test-Driven Development, which enabled effective planning, execution, and project delivery.

ACADEMIC PROJECTS

- **Air pollution prediction using Linear Regression:**
 - Developed a predictive model for future air pollution levels in a particular area as a step towards preventing air pollution.
 - Machine learning algorithm such as Linear Regression is used for predicting future data. Utilized machine learning algorithms such as Linear Regression to analyze past pollution data and predict future pollution levels.
 - Employed data visualization tools to interpret trends and patterns in the data and translate them into charts and images.
- **Sentiment Analysis of Financial News:**
 - Developed a sentiment analysis model to analyze financial news articles and predict stock prices, resulting in improved accuracy in market forecasting.
 - Utilized natural language processing (NLP) techniques such as NLTK and spacy to extract and classify the sentiment of financial news articles, providing valuable insights into market trends and investment opportunities.
 - Implemented a real-time sentiment analysis system to monitor financial news and alert investors to relevant market events, enabling informed and timely investment decisions.
 - Employed data preprocessing tools such as Pandas and Numpy to clean and preprocess the data, while visualization tools such as Plotly were used to present the results in a clear and concise manner.

SKILLS SUMMARY

- **Programming Languages:** Python, Java, C, JavaScript
- **Full Stack Technologies:** HTML5, CSS3, Bootstrap, Flask, NodeJS, ReactJS
- **Databases:** MySQL, MongoDB

REWARDS AND RECOGNITIONS

- Organized workshops and mentored students in skill development as a member of the Student Workshop Facilitator team.
- Participated in a successful Guinness World Record attempt for forming a human chair and received recognition award from RAINDROPS.