

Srinivas Aravapalli

| +1(980)310-9874 | aravapalli.srinivas9@gmail.com | <https://www.linkedin.com/in/aravapalli-srinivas-1a47a916a/> |

EDUCATION

University of North Carolina at Charlotte (UNCC)

Master of Science in Computer Science

GPA: 3.75/4.0

Charlotte, NC

Expected Dec 2023

Courses: Algorithms and Data Structures, Intelligent Systems, System Design and Implementation, Database Systems, Applied Databases, Big Data Analytics For Competitive Advantage, Computer Communication Networks, Visual Analytics

Vel Tech Rangarajan Dr.Sagunthala R and D Institute of Science and Technology

Bachelor of Technology in Computer Science and Engineering

GPA: 3.3/4.0

Chennai, India

May 2020

Courses: Data Structures, Operating Systems, Design and Analysis of Algorithm, Artificial Intelligence, Data Warehousing and Data Mining

WORK EXPERIENCE

Data Engineer – Tata Consultancy Services, Hyderabad, India

July 2020 – July 2022

- Engineered ETL processes for efficient data extraction, cleansing, and transformation into the data warehouse.
- Crafted and maintained SQL scripts for efficient data manipulation, extraction, and reporting, contributing to streamlined data processing and analysis.
- Designed and managed data pipelines for real-time monitoring of operational status across telecommunications equipment.
- Administered and optimized data warehouse infrastructure on AWS enhancing performance and scalability.
- Collaborated closely with data scientists and analysts, delivering clean, structured datasets that met their requirements.
- Contributed to the development and documentation of best practices for data engineering processes.
- Troubleshoot and resolved data-related issues, ensuring high data availability and accuracy.
- Developed an automation tool reducing tracking time by 80% for employee working hours on projects.
- Utilized Git for version control, Jira for project tracking, and CI/CD for streamlined testing and deployment.
- Implemented robust data security protocols and liaised with diverse teams to comprehend data needs.
- Managed large-scale geographic data in Amazon Redshift, utilizing ETL processes, and produced reports with Power BI.

Software Engineer – Mindtree, Bhubaneswar, India

Nov 2020 – Apr 2021

- Completed an immersive full-stack web development training program, showcasing proficiency in front-end technologies like HTML, CSS, and JavaScript, and back-end skills including Node.js and MongoDB.
- Expertly created dynamic web applications via hands-on projects, enhancing practical experience.
- Acquired in-depth understanding of Agile, Scrum, and Test-Driven Development methodologies, ensuring efficient project planning, execution, and successful delivery.

Student Intern – National Small Industries Corp, Hyderabad, India

Jun 2018 – July 2018

- Leveraged hands-on experience in deploying virtual servers using Amazon EC2 on AWS, optimizing performance, scaling, and load balancing.
- Skilled in crafting scalable applications with .NET and Java, and experienced in architecting secure cloud environments with Amazon VPC and AWS IAM.

ACADEMIC PROJECTS

- Predictive Analysis and Risk Modeling for Vehicle Insurance Portfolio:** Designed and executed a predictive Machine Learning model for vehicle insurance portfolios, employing cutting-edge methodologies including Linear Regression, Decision Trees, and XG Boost. Conducted meticulous data analysis, cleansing, and leveraged advanced Pandas skills to derive holistic, actionable insights.
- Electronic Medical Record for Student Clinic:** Expertly crafted intricate SQL queries to extract, manipulate, and present data, enabling report generation, analytics, and clinical decision support. Aligned EMR system with medical standards, deploying seamlessly via MySQL Workbench for elevated data administration and enhanced patient care.
- Cine Book - Movie Reservation System:** Transformed movie ticket booking with a dynamic system using HTML/CSS for a polished front end, Node.js for seamless functionality, and MongoDB for efficient data management. Deployed real-time updates for show times, seat availability, and secure transactions, revolutionizing entertainment technology.
- Sentiment Analysis of Financial News:** Engineered a sentiment analysis model using NLP techniques (NLTK and spaCy) to extract sentiment from financial news articles, enhancing market forecasting accuracy. Enacted real-time sentiment analysis for informed investment decisions, utilizing Pandas, NumPy for data preprocessing, and Plotly for clear result visualization.

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, HTML5, CSS3, SQL

Frameworks: Node.js, React, Bootstrap, Ajax, Mongoose ORM, XGBoost, SVM, LightGBM, AngularJS, Apache Spark, Amazon Redshift, Power BI

Cloud Technologies: AWS, Azure

Tools: Docker, Kubernetes, Postman, Git, Jira

Databases: MySQL, PostgreSQL, MongoDB, Hadoop