Srini Jammula

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EDUCATION

George Mason University Aug 2023 – May 2025
Masters in Computer Science **CGPA: 3.97**

VNR VJIET Aug 2019 – May 2023
Bachelor of Technology, Computer Science and Business Systems **CGPA: 3.6**

ACHIEVEMENTS

- Distinguished Academic Achievement Award, George Mason University, 2025.
- Secured 4th place at the 2024 Microtask Programming Hackathon, George Mason University.

CERTIFICATIONS

AWS Certified Developer – Associate

AWS Certified Cloud Practitioner

Microsoft Certified Azure Fundamentals

Google Data Analytics Specialization

TECHNICAL SKILLS

Programming Languages: Python, Java, C, C++, JavaScript, SQL, TypeScript, R, XML
Web development: React, Node.js, Angular, SpringBoot, HTML, CSS, Bootstrap
Machine Learning: TensorFlow, PyTorch, Scikit-learn, Keras, Pandas, NumPy, Matplotlib, CNN, RNN, LSTM
Developer Tools & Platforms: Git, Docker, AWS, EC2, Kubernetes, GCP, Azure, Visual Studio, IntelliJ, Colab, Informatica, Linux

EXPERIENCE

Saayam For All (Non-profit) Jul 2025 – Present
Software Engineer *React, Tailwind CSS, Python, Java*

- Building and shipping features for a platform that connects people with verified help across critical needs.
- Designed and optimized backend services using Java and Python for scalable data access in a microservices architecture.

George Mason University Sep 2024 – Feb 2025
Research Assistant – Geoweaver (NASA Funded) *Java, Javascript, Python*

- Built and managed machine learning workflows in Geoweaver, running GPU-based models on Hopper systems.
- Added status tracking, process name display, and improved workflow metadata across multiple UI panels.
- Used Physics-Informed Neural Networks (PINNs) for snow water equivalent (SWE) forecasting and ad-hoc geospatial predictions.
- Removed unused Jupyter notebook dependencies and cleaned legacy code to streamline the frontend.

CHUBB Aug 2022 – May 2023
Software Engineer Intern *Python, SQL (SSMS)*

- Automated repetitive data mapping and migration tasks using Python, reducing manual workload by 50%.
- Worked with SQL Server and Azure pipelines to migrate legacy datasets and validate large-scale data transfers.
- Developed scripts for data cleansing and XML parsing, improving ETL accuracy and process efficiency.

T-KATAL Dec 2021-Feb 2022
Web Application Developer *React, NestJs, Firebase, Google Cloud Platform*

- Implemented features such as automating OTP validation, front-end design enhancements, and dynamic pageviews.
- Conducted research in hosting web applications on Google Cloud and Microsoft Azure and deployed.

PROJECTS

Microservices Student Survey Application | *Java, Springboot, AWS, Rancher, Jenkins, Git* | link

- Built and deployed a RESTful microservice-based student survey app using Spring Boot with Amazon RDS, containerized via Docker, orchestrated with Kubernetes via Rancher, and hosted on AWS EC2.
- Set up CI/CD with Jenkins and Git in an Agile environment, managed container orchestration via Rancher.

CloudMart – AI-Powered E-commerce Platform | *AWS, GCP, Terraform, Docker, EKS, CI/CD, Amazon Bedrock* | Link

- Built a full-stack e-commerce platform with AI product recommendations using Amazon Bedrock (Claude model).
- Provisioned infrastructure using Terraform and deployed on AWS EKS with CI/CD via CodePipeline.
- Integrated Lambda, DynamoDB, and GCP BigQuery for real-time interaction and analytics.

Customer Rewards Android Application | *Java, JSP, XML, SQL*| link

- Implemented a 3-tier architecture to manage customer rewards, transactions, and redemptions efficiently.

Stock Market Analysis Prediction | *Python* | link | Research paper

- Delivered 96% forecasting accuracy in stock price prediction using univariate LSTM.
- Benchmarked with KNN, SVM, Random Forest, and multivariate LSTM, along with interactive time series dashboards.