

SRIJA ANASURI

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SUMMARY

Emerging software engineer with real-world experience delivering production-ready features and solving customer-first problems. Proven ability to learn fast, ship clean code, and contribute across the stack in fast-paced teams.

EDUCATION

George Mason University, Fairfax, VA, USA

Master of Science: Data Analytics Engineering

Vignana Bharathi Institute of Technology, India

Bachelor of Technology: Computer Science and Engineering

May – 2025

GPA – 3.87/4

August – 2020

CGPA – 3.3/4

EXPERIENCE

Developer, FedWriters, Inc. (GMU Capstone Project) [Github](#)

May – 2025

- Built PDF ingestion pipeline (OCR, cleaning, ChromaDB embeddings)—80% less manual work, 50% faster processing
- Fine-tuned a T5 model to generate concise EBRR program summaries and actionable insights—boosting summary quality by 40% and slashing manual review time by 60%.
- Developed a Ngrok-secured Streamlit dashboard with a fine-tuned BERT model for semantic search, similarity visualization, and file management—streamlining the evaluation workflow and cutting manual search time by about 30%.

Assistant Systems Engineer, TATA Consultancy Services Limited, India

February 2021– January 2023

- Developed and maintained SharePoint sites—reduced page load times by 30% and enhanced user experience significantly.
- Crafted dynamic React.js UIs and utilized Node.js for efficient package management, building robust product experiences with HTML/CSS and the SharePoint REST API.
- Oversaw SPFx solution lifecycle with Git and modular code patterns, leveraging browser dev tools for proactive troubleshooting—production bugs cut by 40%.
- Automated CSV-to- SQL PaaS ETL with SSIS—load times slashed by 70% and data errors by 90%.
- Built a Proof of Concept leveraging Azure Function App and AadHttpClient REST calls in SharePoint Online, collaborating cross-functionally with product, design, and research teams to define strategy, drive execution, and boost data operation efficiency by ~95%.
- Prioritized projects based on impact, authored end-user support documentation, led in-person training, and mentored new graduates—demonstrating strong team player skills.

TECHNICAL SKILLS

Programming: Javascript, Typescript, HTML, CSS, Python, Java, C/C++, C#, R, SQL.

Tools & Frameworks: Visual Studio, Jupyter, Git, AWS, DataBricks, Tableau, Power BI. Microsoft SQL Server, REST API, React.js, Node.js, SPFX Framework, Flask, TensorFlow, NLTK, Docker.

Databases and OS: Microsoft SQL Server, MySQL, PostgreSQL, MongoDB, Windows, MacOS, Linux/Unix.

Others: Data Structures & Algorithms, ML Algorithms, LLMs, Deep Learning, Natural Language Processing (NLP).

PROJECTS

Student Budget Tracker - React, Vite, React Router, LocalStorage [Github](#)

- Built a single-page budgeting app using React and Vite with modular components for adding, editing, and deleting budgets and expenses.
- Implemented client-side routing, persistent storage via LocalStorage, and dynamic UI feedback using React Toastify.

Data Visualization of Road Accidents - Python (NumPy, Pandas), Folium, Java, JSP, Javascript [Github](#)

- Engineered a data-driven web app with a Java/JSP backend and NumPy/Pandas data pipelines, featuring HTML/CSS, JavaScript, and Folium-powered interactive accident maps.
- Leveraged data science methods to produce Folium heatmaps of accident hotspots, driving targeted prevention strategies.

Text-Image Sentiment Analysis - Python (NumPy, Pandas), TensorFlow, JSP, Flask Framework and SQLite server [Github](#)

- Developed a web application to identify the contents and sentiments in images through the fusion of both image and text features.
- Developed an algorithm using Convolutional Neural Networks, the output of convolutions is used to predict an output letter, and then the overall sequence is collapsed through the CTC layer to output the final sequence for the detection of sentiment.

ACHIEVEMENTS & RECOGNITIONS

- Received TCS On-the-Spot(Team) Award for outstanding performance and leadership in critical situations.
- Received TCS Gems Certificate of Appreciation for showcasing commitment to excellence and customer trust.