

NAVYA SREE ARUGONDA

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EDUCATION

Master of Science in Computer Science

University of South Florida, Tampa, FL

August 2023 - April 2025

CGPA: 3.9/4.0

Bachelor of Technology in Computer Science and Engineering

JNTUH College of Engineering, Telangana, India

Aug 2018 - July 2022

CGPA: 8.16/10.0

EXPERIENCE

Full Stack Developer, Site Service Software, Inc., Pennsylvania

September 2024 - December 2024

- Improved frontend usability by 25% through responsive component design using **React.js** and **Tailwind CSS**.
- Developed backend services with **Spring Boot** and optimized **SQL** queries, reducing data latency by 30%.
- Integrated **PowerBI** dashboards analyzing 500K+ elevator maintenance records, improving decision-making speed.
- Secured 25+ APIs and enforced **RBAC** policies, strengthening data governance in **Agile** sprints.

Technical Support Engineer, Pegasystems, India

March 2023 - July 2023

- Resolved 50+ client issues in Pega Platform applications, enhancing system uptime and support efficiency.
- Completed **Pega Certified System Architect (CSA)** certification with practical experience in designing case lifecycles, modeling complex data structures, and building user interfaces within the Pega platform.

Software Developer, ThoughtWorks, India

May 2022 - February 2023

- Developed a scalable e-commerce platform using **React**, **Java**, and **Spring Boot**, processing 10K+ transactions.
- Rolled out **AI**-based product recommendations, improving customer engagement by 20%.
- Built and tested **Kafka**-based messaging systems on **Kubernetes**, implementing unit, integration, and contract tests to improve reliability and reduce downtime by 25%.
- Followed **TDD** and Agile methodologies to cut post-deployment bugs by 20%.

Developer Intern, Blockchain USA LLC, USA(Remote)

April 2021 - April 2022

- Built a decentralized identity web app using **Verity SDK** and **Node.js** with support for SSI, VCs, and DIDs.
- Enabled seamless digital credential verification with 100% accuracy across Issuer/Verifier flows.
- Deployed to **Azure** using **Docker** and **Ngrok**, cutting deployment time by 60% through containerization.

TECHNICAL SKILLS

Languages : Java, JavaScript, TypeScript, Python, C#, C++ , Go

Web & Frameworks : React.js, Node.js, Next.js, Spring Boot, HTML/CSS, Tailwind CSS, GraphQL, REST APIs

Databases : SQL, PostgreSQL, MongoDB, DynamoDB

DevOps & Cloud : AWS, Azure, Docker, Kubernetes, Git, CI/CD, Power BI

Data & Machine Learning : Pandas, NumPy, Scikit-learn, XGBoost, SMOTE, Matplotlib

Testing & Practices: Unit Testing, Integration Testing, Contract Testing, TDD, Agile, API Design

PROJECTS

ProfGuide | React.js, TailwindCSS, Next.js, SQL, AWS

- Launched a university-specific review platform with 300+ verified course and professor ratings.
- Implemented a verified rating system allowing only students who completed a course to submit reviews by integrating user authentication and course completion validation.

Customer Churn Prediction System | Python, Scikit-learn, XGBoost, pandas, NumPy, SMOTE, Matplotlib

- Preprocessed and engineered features from raw telecom data to train a high-performing churn model.
- Achieved 74% accuracy using XGBoost; evaluated results with classification reports and confusion matrix.

DocInsight | React.js, Node.js, MongoDB, PowerBI

- Created a data-driven healthcare platform that aggregated detailed profiles, patient reviews, and surgical outcomes for medical professionals. Built intuitive dashboards and streamlined search, reducing doctor lookup time by 30%.

CERTIFICATIONS

AWS Certified Developer-Associate | AWS

March 2025

Certified Pega System Architect | Pega

April 2023