

NAVYA SREE ARUGONDA

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WORK EXPERIENCE

- Full Stack Developer**, Site Service Software, Inc., Pennsylvania September 2024 - April 2025
- 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.

EDUCATION

- Master of Science in Computer Science** August 2023 - April 2025
University of South Florida, Tampa, FL CGPA: 3.9/4.0
- Bachelor of Technology in Computer Science and Engineering** Aug 2018 - July 2022
JNTUH College of Engineering, Telangana, India CGPA: 8.16/10.0

TECHNICAL SKILLS

Languages : Java, JavaScript, TypeScript, Python, C#, C++ , Go
Web & Frameworks : React.js, Node.js, Next.js, Spring Boot, .Net, 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* | GitHub
- 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* | GitHub
- 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* | GitHub
- 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