Naga Durga Sahithya Sundara

📞 +91 9640627227 ✉ sahityasundara@gmail.com 🔗 linkedin.com/sahityasundara ⌂ github.com/sahityasundara

Education

Shri Vishnu Engineering College for Women	Expected May 2026
Bachelor of Technology in Computer Science (CGPA: 9.08 / 10)	*Bhimavaram, AP*
Tirumala Junior College	2020 - 2022
Higher Secondary Education (Percentage: 96.4)	*Bhimavaram, AP*

Experience

SmartX Technologies — Jul 2025 – Aug 2025
Full Stack Developer Intern — *Remote*

- Developed and deployed scalable backend features and secure APIs using Spring Boot, Spring Security, and JWT with granular RBAC enforcement.
- Built a multi-dashboard React app with protected routing and role-based interfaces for HR, managers, and employees to manage leave and payroll workflows.
- Optimized database queries and caching, improving response times by 20% across data-intensive views.
- Designed a manager-exclusive UI for leave approvals with asynchronous email notifications.

Projects

Treasure of Ideas | *React.js, Node.js, Express.js, MongoDB Atlas, JWT, Git*

- Developed and deployed a full-stack MERN platform with integrated AI features, enabling users to share and discover dynamic project ideas, delivered through automated CI/CD pipelines to Render and Netlify.
- Architected a secure Node.js REST API with JWT authentication and optimized pagination, reducing payload size and data delivery by over 95%.
- Engineered a high-performance React interface achieving 90+ Lighthouse scores and cut redundant search API calls by 85% using client-side debouncing.
- Integrated a backend-protected generative AI endpoint to dynamically generate project ideas based on user-input keywords.

Ransomware Detection | *Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn*

- Trained a Random Forest model achieving 98% accuracy for ransomware detection.
- Benchmarked KNN (90%) and SVM (67.5%) classifiers for comparison.
- Performed feature engineering, hyperparameter tuning, and systematic debugging to enhance robustness.
- Conducted data preprocessing and visualization to gain insights and improve model interpretability.

Technical Skills

Languages: Java (Primary), Python, C, SQL, JavaScript, HTML/CSS
Frameworks & Libraries: Spring Boot, React.js, Node.js, Express.js, MongoDB, REST APIs
Web & Backend: Responsive UI, CI/CD, API Development
AI/ML: Machine Learning, Data Preprocessing, Scikit-learn, Pandas, NumPy, Matplotlib
Developer Tools: Git, VS Code, IntelliJ, Linux, Postman
Concepts: Data Structures & Algorithms, OOP, Computer Networks, Operating Systems, Database Management

Accomplishments & Activities

- Solved 850+ DSA problems across multiple platforms, demonstrating strong problem-solving skills and mastery of time and space complexity optimization.
- Achieved 1st place in a knowledge quiz conducted by SVECW.
- Advanced to Round 2 in ATMECS Hackathon.
- DormEase (TechNova Hackathon): Received jury appreciation for creating an application addressing practical challenges faced by hostel students.
- Shortlisted for the Samsung Fellowship (Grade III), ISWDP Cohort 4 (2025).
- Active member of MECOW Club, contributing to events and technical activities.