

SUNDARA NAGA DURGA SAHITHYA

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🐙 [GitHub](#)

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EDUCATION

Shri Vishnu Engineering College for Women
Bachelor of Technology, Computer Science and Engineering
Current CGPA: 9.08/10

October 2022 - 2026

EXPERIENCE

Full-Stack Developer Intern – SmartX Technologies

June 2025 – Present

- Architected and developed PayFlow AI, a full-stack automated payroll system using **Spring Boot** (REST APIs), **React** (UI), and **MySQL** to streamline HR operations.
- Engineered distinct modules for employee data management, leave tracking, and systemized payslip generation, significantly reducing manual processing errors.
- Implemented secure user authentication and a **Java Mail API** for real-time notifications on leave status and salary distribution, enhancing system transparency.
- Built a scalable architecture with plans for future **AI-powered payroll anomaly detection** to proactively identify and prevent payment inaccuracies.

PROJECTS

Treasure of Ideas [\[Live Demo\]](#) [\[GitHub\]](#)

Architected and deployed a full-stack MERN application for users to share and discover project ideas. Engineered a high-performance React frontend achieving **90+ scores in Lighthouse** for Accessibility/SEO, and optimized the backend API for an **over 95% reduction** in initial load times via pagination. Established a full CI/CD pipeline using Render and Netlify for automated deployments.

Tech Stack: React.js | Node.js | Express.js | MongoDB Atlas | Mongoose | JWT | Git

Ransomware Detection using Machine Learning [\[Live Demo\]](#) [\[GitHub\]](#)

Enhanced a ransomware detection model leveraging file attributes, achieving 97% accuracy with Random Forest. Applied KNN and SVM classifiers for comparative analysis. Focused on feature engineering, hyperparameter tuning, and model debugging to optimize performance.

Tech Stack: Python | Scikit-learn | Pandas | NumPy | Matplotlib

Info Hub [\[GitHub\]](#)

Developed a full-stack MERN platform for real-time campus updates, featuring scalable RESTful APIs, secure user authentication with CRUD operations, and an intuitive, animated React UI for a seamless cross-device experience.

Tech Stack: React.js | Node.js | Express.js | MongoDB | JavaScript | HTML/CSS

TECHNICAL SKILLS

Languages	C, Java, Python, JavaScript
Web & Backend	HTML, CSS, React.js, Node.js, Spring Boot
Databases	SQL, MongoDB
Tools & Concepts	Git, Linux, Computer Networks, Data Structures & Algorithms, OOP, REST API

ACCOMPLISHMENTS & ACTIVITIES

- Solved **650+** problems on coding platforms like [\[LeetCode Link\]](#).
- **DormEase (TechNova Hackathon)** : Received jury appreciation for an application solving real-world hostel challenges faced by hostel students.
- Achieved **first** place in knowledge quiz conducted by SVECW.
- **Cybersecurity Workshop**: Explored ethical hacking concepts in a hands-on workshop.
- Member of the MECOW Club.

CERTIFICATIONS

- Machine Learning with Python – NPTEL
- Juniper Networking – AICTE
- Smart Coder – Smart Interviews