

Prasanth Aravapalli

Bachelor of Technology

GitHub

PROFILE SUMMARY

- Full-stack developer engineering scalable **MERN** applications with secure **REST APIs** and **JWT authentication**.
- **AWS Certified Cloud Practitioner** adept at deploying resilient cloud architectures using **EC2, S3, and RDS**, and containerizing services with **Docker**.
- Strong foundation in **Data Structures, Algorithms, and Object-Oriented Design** using **C++** and **Python**, with experience automating workflows using **n8n**.

EDUCATION

- **SRM University AP** Vijayawada, AP
B.Tech, Computer Science Engineering (CGPA: 8.21/10.0) 2023 – Present

WORK EXPERIENCE

- **EDUNET FOUNDATION** Jun 2025 – Jul 2025
Full Stack Developer Intern Remote
 - Contributed to the development of a **MERN-based Learning Management System** with authentication and **role-based access control**.
 - Built backend **REST APIs** and responsive frontend components for course, assignment, and quiz management modules.
 - Assisted in integrating secure **JWT authentication** and **MongoDB** database operations.

PROJECTS

- **Supplier Quality Analysis Portal**
Tech Stack: React.js, Node.js, Express.js, Tailwind CSS, AWS S3, AWS Textract, AWS SNS, JWT, REST API **GitHub**
 - Developed a full-stack application for supplier quality management, audit tracking, compliance monitoring, and secure document management with **JWT-based role-based authentication** and **REST APIs**.
 - Integrated **AWS S3** for scalable cloud storage, **AWS Textract** for automated extraction of supplier document data, and **AWS SNS** for real-time audit reminders and compliance alerts.
 - Built responsive dashboards using **React.js, Node.js, Express.js**, and **Tailwind CSS** to visualize supplier performance, quality KPIs, audit history, and compliance metrics.
- **EDUNEXUS** **Live**
Tech Stack: MongoDB, Express.js, React.js, Node.js, JWT, jsPDF
 - Engineered a scalable **Learning Management System** utilizing the **MERN stack, RESTful APIs**, and **JWT** for secure **role-based access control** (RBAC).
 - Developed automated grading, progress tracking, and multimedia course delivery workflows to optimize user experience.
 - Implemented dynamic **QR-based certificate generation** via **jsPDF** within a fully **responsive frontend**.

TECHNICAL SKILLS

- **Programming Languages:** C++, Python, JavaScript, SQL
- **Frameworks & Back-End:** Node.js, Express.js, REST APIs
- **Front-End & Libraries:** Figma, React.js, Tailwind CSS, Bootstrap
- **Databases:** MongoDB, MySQL, DBMS
- **Cloud, DevOps & Automation:** AWS (EC2, S3, VPC, RDS), Docker, n8n, Git, GitHub, JWT, Postman

RELEVANT COURSEWORK

Data Structures, Algorithms, Object-Oriented Programming, Database Management Systems

CERTIFICATIONS

- **AWS Certified Cloud Practitioner** – Amazon Web Services
- **EDUNET Full Stack Development Program** – Edunet Foundation
- **GUVI & APSSDC Web Design Programme**