

Madanu Sathish

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SUMMARY

Passionate Software Engineer with expertise in frontend development and full-stack technologies. Skilled in React.js, JavaScript, PHP, and MySQL, with a focus on building fast, user-friendly web applications. Experienced in API integrations, real-time features, and scalable design. Strong problem-solving skills and a solid grasp of modern web frameworks and software architecture. Eager to contribute to dynamic projects and innovative software development.

SKILLS

Programming Languages: C, C++, Python, Java.
Front-end Technologies: HTML, CSS, JavaScript, React JS.
Back-end Technologies: Node.js, Express.js, PHP, Java , Spring Boot.
Cloud Platforms: Amazon Web Service(AWS), Firebase .
Databases: MySQL, MongoDB, SQL, Database Management.
Development-tools: Git/Github, VS code.
Others: Data Structures and Algorithms, OOPS, Machine Learning, SDLC, Agile Methodologies.

WORK EXPERIENCE

Front-End Development Intern – Edunet Foundation June 2024 – July 2024

- Developed a responsive Student Portfolio Website using HTML, CSS, and JavaScript.
- The website provides a comprehensive portfolio showcasing a student's skills, projects, education, and interests. Worked with mentors to implement industry-standard front-end practices, ensuring 100% compliance.

Advanced CSS Bootcamp Participant – Codekaro Aug 2024

- Mastered advanced CSS concepts, including grid, flexbox, and animations.
- Built responsive web pages, improving UI design by 30%.
- Awarded Certificate of Achievement for successful completion.

PROJECTS

FarmCart - Empowering Farmers, Connecting Communities (2025) | Technologies: MERN Stack, MongoDB Atlas

- Built a full-stack e-commerce platform to connect farmers with customers, enabling direct sales of fresh produce.
- Designed farmer and customer dashboards for product listing, inventory management, secure checkout, and order tracking.
- Added real-time order status updates, product search, and filter features for a seamless user experience.

ServeEase - Local Service Provider Directory(2025) | Technologies: Flutter, Java Spring Boot, Firebase

- Developed a mobile application to help users easily find and book trusted local service providers.
- Enabled real-time service management with role-based access for customers, providers, and admin.
- Used **Firebase Authentication and Firestore** for secure user login and scalable data storage.
- Facilitates verified service listings, booking history, and admin-controlled approvals.

Credit Card Fraud Detection (2024) | Technologies: Machine Learning

- Built a fraud detection model using Decision Tree and Logistic Regression, optimizing classification accuracy.
- Processed and balanced imbalanced data using oversampling and undersampling techniques for improved detection.
- Evaluated performance using Precision, Recall, and F1-Score, achieving 99.83% accuracy with Decision Tree and 94.52% with Logistic Regression.

IRCTC Clone Web Application (In Progress) | Technologies: MERN Stack, REST APIs

- Developing a full-stack train booking platform with features like train search, ticket booking, PNR tracking, and admin management.
- Built the backend architecture using Node.js, Express, and MongoDB for managing users, trains, and bookings.
- Currently working on integrating booking functionality and payment workflow; frontend to be developed using React.js.

EDUCATION

2022 - present	B.Tech in Computer Science Engineering, SRM University AP	(CGPA: 8.49/10.0)
2020 - 2022	Intermediate (MPC), Sri Chaitanya Junior College	(Percentage: 97.7%)
2019 - 2020	Class 10th, ST Ann's Centenary E.M High School	(Percentage: 97.16%)