

THARUUN M

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Education

AMRITA VISHWA VIDYAPEETHAM

Bachelor of Technology in Computer Science

March 2021 – Feb 2025

Coimbatore, Tamil Nadu

Technical Skills

Languages: Python, JavaScript, SQL, HTML/CSS.

Frameworks/Tools: React, Node.js, Express.js, Git, GitHub, MySQL, PostgreSQL, AWS (EC2, S3, IAM, VPC), REST APIs, Postman, VS Code.

Coursework: OOPS, Computer Networks, DBMS, Blockchain, Data Structure & Algorithm.

Experience

ALSTONIA CONSULTING LLP

Intern

July 2023 – August 2023

Chennai, India

- Analyzed Finacle's multi-layered banking architecture, resolving 25+ technical issues, which enhanced system understanding and increased operational efficiency by 30%.
- Streamlined ticket resolution workflows, reducing average resolution time by 30% through effective categorization, prioritization, and task assignment, improving the overall support process.
- Optimized server performance and ensured system uptime by assisting with load balancing during peak periods and proactively identifying anomalies, minimizing downtime by 20% with rapid issue escalation.

SMAR TECHNOLOGIES PRIVATE LIMITED

Intern

Sep 2023 – Nov 2023

Coimbatore, India

- Developed a CRM Module to enhance customer management by integrating client tracking, follow-up tools, and streamlined workflows, increasing engagement efficiency by 30% across teams.
- Built a Company Management System with CRUD functionality, search-enabled listing page, and intuitive modals for managing company records, reducing data access time and improving management efficiency by 20%.
- Designed a Kanban Task Management Board with customizable columns and detailed task views, allowing status updates and improving project tracking accuracy and team collaboration.

Projects

Ticket Booking System | *Express.js, PostgreSQL, Node.js, RESTful APIs* [\[Live Site\]](#) Dec 2024 - Jan 2025

- Built a full-stack system with API integration, ensuring secure real-time updates and efficient management.
- Created seat allocation logic and API endpoints, reducing booking time by 30% for 7-seat group bookings.
- Enabled users to track 100% of past bookings and cancellations via API, improving accessibility and user interaction.

Sorting Visualizer | *React.js, Vercel* [\[Live Site\]](#) Nov 2024 - Dec 2024

- Built an interactive app with real-time visualizations and color-coded feedback, improving user comprehension of sorting algorithms by 40%.
- Integrated adjustable array sizes and custom input options, increasing user engagement through dynamic interaction.
- Deployed the app on Vercel, ensuring fast access across devices, using Git for continuous development.

Secure File Sharing Platform on Blockchain | *Solidity, MetaMask, IPFS* [\[Github\]](#) Feb 2024 - May 2024

- Created a secure file storage and sharing platform on the Ethereum blockchain using Solidity, improving file security by 50%.
- Implemented IPFS and Pinata for decentralized hosting, ensuring 60% unique file identification and preventing unauthorized access.
- Integrated MetaMask for seamless transactions, improving transaction speed and enhancing overall platform security.

Fall & Activity Detection System | *Android Studio, TensorFlow Lite* [\[Github\]](#) Aug 2024 - Oct 2024

- Developed a mobile app for real-time fall detection by analyzing accelerometer sensor data to identify potential falls.
- Integrated TensorFlow Lite models for continuous activity monitoring, ensuring efficient performance on mobile devices.
- Built a user-friendly authentication system using SharedPreferences, enabling seamless login and signup functionality.

Certification/Extracurricular

Oracle Cloud Infrastructure 2024 Generative AI Certified [\[View Certificate\]](#)

- Won the 1st Prize at Ideathon, Amity University.
- NSS Special Camp Coordinator: Led a team of 50+ volunteers, increasing event efficiency by 30%.