LOHITH MARNENI

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SKILLS

- Programming Languages: C++, Java, C, Python, SQL
- Data Structures and Algorithms, Object-Oriented Programming, Computer Networks, Operating Systems
- Web Development: MERN Stack (MongoDB, Express.js, ReactJS, Node.js), Spring Boot, PHP, HTML, CSS, JavaScript, Tailwind CSS

EXPERIENCE

PayPal Payments Private Limited *Software Engineering Intern*
Onsite Jul. 2025 – Sept. 2025

- Built interface monitoring across 2 cloud environments, tracking clusters, nodes, nodegroups, pods status.
- Designed data ingestion architecture for every 1 hour, storing health metrics in monitoring database reliably.
- Implemented dashboard showing critical, warning, healthy counts, supporting instant IP requests during peak scale operations.

The Andhra Pradesh State Co-Operative Bank Ltd. (APCOB) *Web Development Intern*
Onsite Jun. 2024 – Aug. 2024

- Developed a web platform for Automated Scrutiny Generation and Loan Reset, reducing manual errors by 50%.
- Created functionality for updating ROI and loan details, cutting manual entry time by 70%.
- Generated scrutiny reports to assess loan eligibility for 13 DCCBs, enhancing efficiency of loan assessments.

PROJECTS

Biometric Authentication using EEG Signals Aug. 2024 – Jan. 2025

- Designed an ensemble model to analyse EEG signal data from 108 participants, testing authentication accuracy with time chunks of 12, 8, and 4 seconds.
- Conducted region-based and time-based analysis, dividing 64 EEG rods into five regions to identify the most accurate area for user authentication.

Food with Mood - FM Jun. 2024 – Oct. 2024

- Built a full-stack MERN web application with JWT authentication, storing user answers to provide personalized 3 food suggestions based on mood and character.
- Users receive food recommendations after answering 5 fun questions, with data stored to improve future recommendations and refine the user experience.

Exchange Rate Navigator Feb. 2023 – Jun. 2023

- Implemented a C++ application using Dijkstra's algorithm to determine the optimal exchange rate path between currencies, enhancing efficient currency conversion with a graph-based approach.
- Helps users identify the most cost-effective currency conversion paths by considering intermediary currencies, maximizing the final value of the target currency through optimized routing.

EDUCATION

- B. Tech CSE | SRM University AP *(CGPA: 9.65/10) | (2022 – Present)*
- Class 12th (BIEAP) | Sri Chaitanya Junior College *95.50 % | (2020 – 2022)*
- Class 10th (BSEAP) | Siddhartha Public School *550/600 | (2019 – 2020)*

PARTICIPATIONS

- **SRM Next Tech Lab**: One of the few associates, participated in 9Hacks hackathon
- **Coding Club SRMAP**: Coding Club member, participated in HackSRM 6.0, Code Brainanzaa Hackathon, Code Clash, Bug Smash

CERTIFICATIONS

- Kubernetes For Beginners (Udemy)
- Docker By KodeKloud(Udemy)
- 86 percentage - The Joy of Computing Python (NPTEL)
- Data Analysis with Python (freeCodeCamp)