

# LOHITH MARNENI

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## SKILLS

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

## EXPERIENCE

### 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 – Present

- Designing a machine learning model for user authentication using EEG signals, building upon previous research that achieved 90% accuracy with 60-second data, aiming to reduce the time.
- Performing region-based analysis by dividing 64 rods data into 5 regions to identify which region provides the highest accuracy for 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.

### DiscusPlace - Online Coding Forums

Jan. 2024 – Apr. 2024

- Developed DiscusPlace, a PHP-based coding forum, enabling users to post and discuss technical queries while efficiently handling over 10,000 questions with MySQL integration.
- Follows a rating system for questions and answers, using secure 256-bit password hashing to enhance security and foster collaboration.

### 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: 9.62/10) | (2022 – Present)
- Class 12<sup>th</sup> (BIEAP) | Sri Chaitanya Junior College 95.50 % | (2020 – 2022)
- Class 10<sup>th</sup> (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 Code Brainanzaa Hackathon, Code Clash, Bug Smash

## CERTIFICATIONS

- 86 percentage - The Joy of Computing Python (NPTEL)
- Completion Certificate - C++ for Problem Solving
- 100 percentage - Psychology of Learning (NPTEL)
- Experience Letter - APCOB Internship