

Avani Maletha

+918958483801 | avanimalaetha@gmail.com | linkedin.com/in/avani-maletha | github.com/Avanimalaetha

EDUCATION

SRM Institute of Science and Technology

B.Tech - Computer Science and Engineering specializing in Cloud Computing.

Chennai, TN

2022 – 2026

SKILLS

Programming languages: HTML, CSS, JavaScript, C/C++, Python, Tailwind, React.js, UI/UX

Databases: MySQL, MongoDB

Cloud and DevOps: AWS, Linux, Git/GitHub

Core Subjects: OS, DBMS, CN, OOPs

Soft Skills: Teamwork, Strong Leadership, Public Speaking

PROJECTS

Visualization of Big Data | *AWS Lambda, AWS S3, python, AWS Quicksight*

- Processed and analyzed 1M+ records of best-selling products from Amazon using AWS S3 and QuickSight.
- Reduced data retrieval time by 40% using optimized S3 storage and designed 10+ interactive dashboards in Amazon QuickSight.
- Provided insights into top 100 best-selling products across various categories, helping in trend prediction.
- Automated end-to-end data pipeline using AWS Lambda, improving data processing efficiency by 35%.

OrbitUs | *Web 3.0, NFT, React.js*

- Orbitus, a Web3 application that enables seamless and private user discovery using decentralized Base name identifiers.
- Developed Orbitus, a drop-service marketplace connecting freelancers and clients, featuring a seamless dual-login system that enhanced user accessibility by 40%.
- Focused on efficient service delivery, secure transactions, and streamlined project management.
- Integrated NFT-based ownership for user profiles to boost security and transparency in freelancer-client agreements.

Chat-AI | *React.js, TailWind*

- Developed an advanced AI chatbot using React.js, replicating Gemini's intelligent responses.
- Engineered a smooth, responsive user experience with AI-driven conversation capabilities.
- Optimized performance for real-time, dynamic interactions.
- Implemented sentiment-aware responses to improve user engagement and make interactions more natural.

Facial Recognition for Employee Authentication | *AWS Services, Python*

- Implemented AI-driven authentication for 100+ employees using AWS Rekognition and Python.
- Achieved 98%+ accuracy by leveraging AWS Rekognition's deep learning-based face matching.
- Stored metadata in AWS DynamoDB, enabling quick retrieval of employee authentication logs.
- Reduced hardware costs by 60% compared to traditional biometric access systems.

CERTIFICATIONS

- **HackerRank SQL** certification, demonstrating expertise in complex SQL queries, database management, and data analysis.
- **HackerRank JavaScript** certification, showcasing expertise in JavaScript, algorithm optimization, and advanced problem-solving.
- **AWS Cloud Essentials** certification, demonstrating a strong foundation in cloud computing and AWS architecture, with the ability to develop and deploy scalable cloud-native applications.