

Mani Harsha Masina

Full Stack Developer

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PROFESSIONAL SUMMARY

A results-oriented Full Stack Developer and AWS Cloud enthusiast currently pursuing a M.S. in Information Science and Technology at Missouri S&T. Proven ability to design, develop, and deploy scalable and secure cloud-based solutions on AWS, leveraging expertise in React, Java, and NodeJS to streamline workflows, data management and enhance user engagement.

WORK EXPERIENCE

Cellix Bio Pvt Ltd

Full Stack Developer

Hyderabad, India

Jul 2021 – Aug 2023

- Created a centralized system managing 250+ patent families across 14 countries, improving compliance and legal tracking.
- Deployed a MERN-based data management web application with Firebase Authentication and AWS services.
- Designed an advanced search system with multiple sorting options to streamline data retrieval for legal teams.
- Added an automated and custom notifications to manage annuity deadlines for over 650 international patents.
- Optimized patent workflows, reducing tracking failures by 60% and boosting productivity by 90%.
- Built a full stack corporate portfolio on AWS showcasing 650+ patents & 11,500 images, enhancing IP visibility.
- Implemented comprehensive search and filtering features, enabling seamless navigation and efficient retrieval of patent data.
- Integrated advanced SEO measures and performance optimizations, achieving a 100% SEO score to boost discoverability and user engagement.

SKILLS

- **Programming Languages:** Python, Javascript, C++, C, R, Java
- **Scripting Languages:** HTML, CSS, Bootstrap, PHP
- **Cloud Technologies:** AWS (VPC, EC2, S3, IAM, SNS, RDS, Route 53, EBS, Lambda, CloudWatch, ECR Fargate, Elastic Beanstalk, DynamoDB, Cognito), Firebase, Atlas, Docker, CI/CD Pipelines, Kubernetes, GraphQL, Microservices, Kafka
- **Frameworks/Libraries:** GIT, REST API, ReactJS, AngularJS, NodeJS, NextJS, VeuJS, Vite, TailwindJS, Material UI, Redux, Context, ExpressJS, Mongoose, SEO, Django, TensorFlow, Numpy, Scikit-Learn, PyTorch, Spring, Hibernate
- **Tools:** Git Bash, Excel, PowerBI, NGINX, Apache, Postman, GoDaddy, Terminal, MongoDB Compass, VS Code, Data Structures and Algorithms
- **Databases:** MySQL, MongoDB, PostgreSQL, Redis

PROJECTS

- **Express Shuttle Services (Client and Admin):**
 - Developed a single-page full stack application for shuttle bookings from Rolla to St. Louis and nearby areas, ensuring a robust and modern end-to-end user experience.
 - Implemented Firebase Email Authentication for secure login and session management.
 - Engineered an intuitive ticket booking feature; improved booking efficiency by 96%.
 - Integrated PayPal Payment Gateway for secure transactions with a 97% success rate.
 - Streamlined front-end code and image assets, slashing mobile page load times by 60%.
 - Built an admin platform to manage shuttle operations, including routes, revenue, seat availability, and user bookings.
 - Added an OTP-based login system with session management to grant designated organizational users access to the app.
 - Developed a cohesive search feature enabling ride lookup via Ticket ID, Payment ID, user email, or phone number.
- **Snaptube:**
 - Designed a real-time streaming platform with Google Sign In that simulates core YouTube functionality with over 50,000 video streams for a seamless viewing experience.
 - Streamlined content access across 10+ video genres, leading to a 25% increase in fetching the desired video by the user.
 - Enabled live tracking of video data (views, comments, likes) and channel statistics (subscribers, total view count)

EDUCATION

Missouri University of Science and Technology

M.S. in Information Science and Technology

Rolla, MO

Aug 2023 – May 2025

The LNM Institute of Information and Technology

B.S. in Electronics and Communication Engineering

Jaipur, India

Aug 2018 – Jul 2022

CERTIFICATIONS

- AWS Certified Developer – Associate, Amazon Web Services (May 2025).
- Business Analytics and Data Science Certification, Missouri S&T (Feb 2025).
- Full Stack Development (MERN) Certification, Digital Lync, Hyd (Jun 2023).