

Mani Harsha Masina

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SUMMARY

Full Stack Developer and Cloud Computing enthusiast pursuing an M.S. in Information Science and Technology at Missouri S&T. Skilled in MERN stack and AWS, with a focus on scalable web applications, performance optimization, and security. Proven ability to streamline workflows, and drive user engagement through cloud-based solutions and responsive design.

WORK EXPERIENCE

Cellix Bio Pvt Ltd

Full Stack Developer

Hyderabad, India

Oct 2022 – Jul 2023

- Developed a centralized system managing 250+ patent families across 14 countries, improving compliance and legal tracking.
- Built a MERN-based Data Management Web App with Firebase OTP & AWS services, enhancing security and global accessibility.
- Designed an advanced search system with multiple sorting options, streamlining data retrieval for legal teams.
- Optimized patent workflows, reducing tracking failures by 60%, boosting productivity by 90%, and improving document organization.
- **Hyperlink:** mis.cellixbio.info
- Designed and Built a full stack corporate portfolio on AWS showcasing 650+ patents & 11,500 images, enhancing IP visibility.
- Improved web app performance, achieving 95% SEO & 100% accessibility, driving higher discoverability and user engagement.
- **Hyperlink:** cellixbio.com

EDUCATION

Missouri University of Science and Technology

M.S. in Information Science and Technology GPA: 3.7/4.0

Rolla, MO

Aug 2023 – May 2025

The LNM Institute of Information and Technology

Bachelors in Electronics and Communication Engineering GPA: 3.3/4.0

Jaipur, India

Aug 2018 – Jul 2022

SKILLS

- **Programming Languages:** Python, Javascript, C++, C, R
- **Scripting Languages:** HTML, CSS, Bootstrap, PHP
- **Cloud Technologies:** AWS (VPC, EC2, S3, IAM, SNS, RDS, Route 53, EBS, Lambda, CloudWatch), Firebase, MongoDB Atlas
- **Frameworks/Libraries:** GIT, REST API, ReactJS, NodeJS, Vite, Material UI, TailwindJS, ExpressJS, Mongoose, SEO, Moment
- **Tools:** Git Bash, Excel, PowerBI, NGINX, Apache, Postman, GoDaddy, Terminal, MongoDB Compass, VS Code
- **Databases:** MySQL, MongoDB

PROJECTS

- **Express Shuttle Services:**
 - Developed a responsive single-page full stack application using MERN for shuttle bookings from Rolla to St. Louis and nearby areas.
 - Implemented Firebase Email Authentication for secure login and session management.
 - Designed an intuitive ticket booking feature; improved booking efficiency by 95%.
 - Integrated PayPal for secure transactions with a 95% success rate.
 - Optimized performance for a 100% responsive design across devices.
- **Snaptube:**
 - Built a real-time YouTube clone using Vite and Material UI, simulating core YouTube functionality with over 50,000 video streams.
 - Streamlined content access across 10+ video genres, increasing session duration by 25%.
 - Achieved 2-second load times with fully responsive layouts.

CERTIFICATIONS

- Business Analytics and Data Science Certification, Missouri S&T (Jan 2025).
- Full Stack Development (MERN) Certification, Digital Lync, Hyd (Jun 2023).
- AWS Solution Architect Certification, Digital Lync, Hyd (Jul 2023).
- Data Structures and Algorithms in C++: Zero to Mastery, Udemy (Aug 2022).