

# Mani Harsha Masina

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## PROFESSIONAL SUMMARY

Full Stack Developer and Cloud Computing enthusiast pursuing M.S. in Information Science and Technology at Missouri S&T. Skilled in Full Stack (React, NodeJS), experienced in developing and deploying cloud-based solutions using AWS to streamline workflows, optimize data management, and enhance user engagement through scalable and secure architectures.

## WORK EXPERIENCE

### Cellix Bio Pvt Ltd

*Full Stack Developer*

Hyderabad, India

*Jan 2022 – Aug 2023*

- Developed a centralized system managing 250+ patent families across 14 countries, improving compliance and legal tracking.
- Created a MERN-based data management web application with Firebase Authentication and AWS services, enhancing security and global accessibility.
- 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%.
- **Hyperlink:** [mis.cellixbio.info](https://mis.cellixbio.info)
- 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.
- **Hyperlink:** [cellixbio.com](https://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

*B.S. in Electronics and Communication Engineering GPA: 3.5/4.0*

Jaipur, India

*Aug 2018 – Jul 2022*

## 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), Firebase, Atlas, Docker, CI/CD Pipelines, Kubernetes, GraphQL, Microservices
- **Frameworks/Libraries:** GIT, REST API, ReactJS, NodeJS, NextJS, Vite, TailwindJS, Material UI, Redux, React Router, ExpressJS, Mongoose, SEO, Django, Numpy, Scikit-Learn, PyTorch, Spring, Hibernate
- **Tools:** Git Bash, Excel, PowerBI, NGINX, Apache, Postman, GoDaddy, Terminal, MongoDB Compass, VS Code
- **Databases:** MySQL, MongoDB, PostgreSQL

## 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.
  - Optimized performance for a 100% responsive design across devices.
  - 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)

## CERTIFICATIONS

- Business Analytics and Data Science Certification, Missouri S&T (Feb 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).