

SUMMARY

Master's student in Information Science and Technology at Missouri ST, specializing in Full Stack Development, Cloud Computing (AWS), and Scalable Web Applications. Experienced in designing and deploying impactful software solutions that improve performance, security, and user engagement.

WORK EXPERIENCE

Cellix Bio Pvt Ltd

Hyderabad, India

Full Stack Developer (MERN)

Oct 2022 – Jul 2023

- The company needed a centralized system to manage 250+ patent families, track legal statuses, and improve deadline adherence across 14 countries.
- Developed a Data Management Web Application using MERN stack with Firebase OTP authentication and AWS-hosted services.
- Created an advanced search system based on 5 different input searches with multiple sorting options.
- Increased patent management efficiency, improved deadline tracking by 60%, and boosted productivity by 90%. The solution enhanced searchability and organization clarity by 100%.
- **Hyperlink:** mis.cellixbio.info
- Cellix Bio Portfolio lacked visibility of its pipeline and performance, impacting engagement in R&D Community.
- Built the corporate portfolio on AWS EC2, S3, and Route 53, showcasing 650+ international patents and storing 11,500 patent related images on AWS S3.
- Maximized web app improved load times, and streamlined content. SEO performance achieved a 95% score (100% SEO and Accessibility) on Google PageSpeed Insights.
- **Hyperlink:** cellixbio.com

EDUCATION

Missouri University of Science and Technology

Rolla, MO

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

Aug 2023 – May 2025

- **Coursework:** Web Development, Data Mining, Business Analytics & Data Science, Information Retrieval & Analysis, IT Project Management, Cyber Security, Information Visualization, ML and Data Science in Python, Database & Systems, Business Models, Capsim.

The LNM Institute of Information and Technology

Jaipur, India

Bachelors in Electronics and Communication Engineering GPA: 3.3/4.0

Aug 2018 – July 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, Cloud Watch, Firebase, MongoDB Atlas

Frameworks and Libraries: GIT, REST API, ReactJS, NodeJS, Vite, Material UI, TailwindJS, ExpressJS, Mongoose, SEO, Moment

Miscellaneous Tools: Git Bash, Excel, PowerBI, NGINX, Apache, Postman, GoDaddy, Terminal, MongoDB Compass, VS Code

Databases: MySQL, MongoDB

PROJECTS

- **Express Shuttle Services:**

- Developed a fully responsive, single-page full stack application using the MERN stack for Express Shuttle Services, providing shuttle bookings from Rolla to St. Louis and other near locations.
- Implemented user authentication and session management using Firebase Email Authentication, ensuring account security and automatic logout after a defined inactivity period.
- Designed an intuitive ticket booking feature allowing users to select trip type, pick-up and drop-off locations, date, and time, enhancing user experience by 95% in booking efficiency.
- Integrated PayPal as the payment gateway for seamless and secure transactions, ensuring a 95% success rate in payment processing and handling all potential payment errors effectively.
- Refined the application for performance and scalability, achieving a 100% responsive design across all device types.
- **Hyperlink:** express-shuttle-services.com

- **Express 24 Plumbing and Electrical:**

- The client needed a highly optimized web presence to showcase services and increase customer engagement.
- Designed a single-page website with SEO optimization, AWS hosting, and performance tuning.
- Increased organic traffic by 80%, achieving 100% SEO and 95% accessibility on Google PageSpeed Insights.
- **Hyperlink:** express24hrplumbingandelectrical.com

- **Snaptube:**

- Built a Real-Time YouTube Clone using Vite and Material UI, simulating YouTube's core functionality with over 50,000 video streams.
- Streamlined content access across 10+ video genres, increasing session duration by 25%.
- Achieved 2s load times with responsive layouts perfected for mobile, tablet, and desktop.
- **Hyperlink:** snap-tube.netlify.app

CERTIFICATIONS

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