

Akhilesh Malish

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EDUCATION

George Mason University, *MS in Computer Science* | Virginia, USA

GPA: **3.6 / 4.0**

May 2024

GITAM University, *B.Tech in Computer Science* | Hyderabad, India

GPA: **8.4/ 10**

June 2021

Courses: Component-based Software Development | Cloud Computing | Machine Learning | Database Management System | Data Structures and Algorithms | Open Source Software Development | Web Technologies | Artificial Intelligence | Probability and Statistics

EXPERIENCE

Tata Consultancy Services, *Associate System Engineer* | (Hyderabad, India)

July 2021 - Sept 2022

- Proficient in shell scripting, automated tasks, streamlined workflows, and boosted productivity while maintaining system integrity.
- Maintained system security on Linux platforms by applying patches and implementing best practices.
- Executed comprehensive deployments of Linux systems, ensuring seamless integration and operation across various on-premise infrastructures for enhanced performance and security.

Phoenix Global, *FullStack Developer Intern* | Remote (Hyderabad, India)

April 2020 - June 2020

- Led the creation of a dynamic website for course registration, integrating payment gateways for secure transactions.
- Implemented robust email verification and notification systems using NodeMailer to streamline user communication.
- Developed a user-friendly interface for professor appointment bookings, enhancing the overall service experience.
- Engineered back-end processes for handling secure payments and user data management with a focus on privacy.
- Drove MERN stack web application development, optimizing UI/UX with React.js and backend API/database management for user-centric solutions.

SKILLS

- **Languages:** Python, C, C++, JavaScript, Java, Bash, Dart, HTML, CSS
- **Tools:** ReactJS, NodeJS, ExpressJS, Kafka, MongoDB, MySQL, Postgresql, Numpy, Pandas, Matplotlib, Seaborn, REST APIs, Linux, Spunk, AWS, Docker, Kubernetes
- **Technologies:** Cloud Computing, Object Oriented Programming, CI/CD

PROJECTS

Blog App | MongoDB, ReactJS, NodeJS, ExpressJS

- Engineered a full-stack blogging platform utilizing the MERN stack, ensuring robust CRUD operations and secure user authentication.
- Orchestrated the design and integration of RESTful APIs, facilitating seamless frontend-backend communication within the application.

URL Shortner | MongoDB, NodeJS

- Conceptualized and executed a custom URL shortener service, utilizing Node.js for server-side operations and MongoDB for database management.
- Enhanced user experience by designing a straightforward interface for creating and managing short URLs.

Livestreaming RTMP Application | NodeJS

- Developed a basic video streaming application with Node.js, leveraging FFmpeg for media processing and streaming capabilities.
- Implemented core streaming functionality to enable real-time video delivery over the web.

Video Chat App using WebRTC | ReactJS, NodeJS, ExpressJS, WebRTC, Socket.io, MongoDB, FFmpeg

- Utilized ReactJS for front-end development and NodeJS with ExpressJS for backend server logic, ensuring a seamless user experience.
- Implemented a socket system with Socket.io using email and room IDs to manage state updates and user interactions within the app.
- Integrated MongoDB for data persistence, managing chat histories and user data, and FFmpeg for media processing and streaming.