

BALAMURUGAN A

abalamurugan2003@gmail.com | [GitHub Profile](#) | [LinkedIn Profile](#) | [Portfolio](#)

SUMMARY

Enthusiastic Software Engineer with a passion for creating responsive and user-friendly web applications. Skilled in React, Node.js, Express, MongoDB, Data Structures, Algorithms, Object Oriented Design and Development I enjoy solving problems, learning new technologies, and building practical solutions that make an impact

Work Experience

Mako IT Lab | Frontend Developer Intern

Duration: 14/10/24 - 28/03/25

- Developed and optimized responsive web applications using **React.js**, **Next.js**, **TypeScript**, and **Material-UI**, enhancing user experience and performance
- Collaborated with backend developers to design **database schemas** and integrate frontend applications with backend services, ensuring smooth data flow and efficient API handling

SKILLS

Programming languages: JavaScript, TypeScript, Java, (Basics of C and C++)

Front End Technologies: HTML, CSS, Bootstrap, React.js, Next.js, Material UI, Redux, Redux-toolkit, React-query

Back End Technologies: Node.js, Express.js

Databases: MongoDB

Version Control Tools and IDE: Git, Github, Bitbucket, Visual Studio Code, Postman

Core: Data structures and Algorithms, Object oriented programming, Software Development Life Cycle, Debugging

Soft Skills: Analytical and Problem-Solving, Good written and verbal communication, Team Collaboration, Agile development

PROJECTS

(1) WildLens Tours | [LIVE LINK](#)

Description: WildLens Tours, a comprehensive platform for discovering and booking wildlife tours globally. This MERN stack application offers a dynamic user experience for planning adventures and robust admin features for managing bookings and tours.

Technologies used: React.js, Node.js, Express.js, MongoDB, Redux, Formik, React Router, JWT & Bcrypt, Razorpay

Outcome: Gained hands-on experience in building a full-stack MERN application, implementing secure authentication with JWT & Bcrypt, and integrating Razorpay for payments. I also improved my skills in state management with Redux and managing dynamic admin features for bookings and tour management

(2) URL Shortener Web Application | [LIVE LINK](#)

Description: A full-stack MERN application for shortening long URLs, with features including user authentication, password recovery, URL management, and a statistics dashboard. Easily create and manage short links with a user-friendly interface.

Technologies used: React.js, Node.js, Express.js, MongoDB, JWT (JSON Web Tokens), bcrypt

Outcome: Built a user-friendly URL shortener application with a dashboard for monitoring URL creation statistics, secure user authentication and password recovery, and features for creating, managing, and editing short URLs efficiently

EDUCATION

Kumaraguru college of Technology, Coimbatore, India

2020 - 2024

- Mechanical | CGPA: 8.4

Certification

Full Stack Web Development (MERN Stack) Course : Completed a 4-month intensive hands-on training at GUVI in MERN Stack with practical experience in building and deploying full stack web applications.