

ERSHATH M

Full Stack Web Developer

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Experienced full stack web developer with a strong background in both frontend and backend technologies. Proficient in building high-performance web applications using JavaScript, React, Node.js, Express, and MySQL. Skilled in developing scalable REST APIs and optimizing SQL queries to improve system efficiency. Recognized for delivering responsive and user-friendly web applications.

Education

B.E (Mechanical), 2022

A.V.C. College of Engineering, Mannampandal, Tamil Nadu

Skills

- **Frontend:** React.js, JavaScript, TypeScript, HTML, CSS, Tailwind CSS, MUI, Konva
- **Backend:** Node.js, Express.js
- **Database:** MySQL
- **Tools & Platforms:** Git, GitHub, Netlify, Heroku

Experience

Ahsan Solutions, Karaikal, Puducherry

Full Stack Web Developer

(11/2022)-(Present)

- Developed and maintained scalable web applications using **Node.js**, **Express**, **MySQL**, **React**, **JavaScript**, and **Konva**.
- Implemented **encryption** and **decryption** protocols for securing data transmission over **HTTPS** requests and responses.
- Integrated **token-based authentication** to enhance application security.
- Designed, built, and maintained a **web scraping system** to gather and process data from external sites.
- Collaborated with a **team** to design, develop, and deploy high-performance web solutions.

Projects

Seat Booking Engine, ahsan solutions

- Currently developing a **Seat Booking Engine** using **React, Node.js, Express, MySQL, HTML5, SVG**, and **Konva** to enable real-time seat selection and management.
- Designing and implementing a dynamic **seating chart** with **drag-and-drop** functionality and scaling using **Konva** for an intuitive user experience.
- Managing state efficiently to handle seat selection, updates, and real-time data synchronization.
- Building a secure data storage system with **MySQL** to improve data consistency and reliability.

Dealpopup, ahsan solutions

- Working on an existing **e-commerce platform** to fix bugs and improve performance.
- Implementing **data scraping** to gather product details (image, description, title) for sharing
- Adding encryption and decryption for secure HTTP requests and responses.
- Preventing **SQL injection** in form fields.
- Creating **email templates** and setting up **AWS SNS** for push notifications with token-based expiry.
- Improving UX with **image lazy loading** for faster page rendering.

Rouh Nutrition, ahsan solutions

- Developing the backend using **Node.js** and **MySQL** for a **keto-based food delivery** app.
- Creating **custom email templates** and sending push notifications via **Firebase**.
- Optimizing complex **data retrieval** queries for faster performance.
- Writing **cron jobs** to update user status and delivery schedules.

Natpay, ahsan solutions

- Developing the backend using **Node.js, Express**, and **MySQL** for an **expense-splitting** app.
- Enabling users to **create events**, add friends, and assign an **admin** for expense management.
- Handling **transaction visibility** and real-time updates.
- Ensuring secure and accurate expense tracking.