ATHITHYAN P

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PROFILE

Aspiring MERN Stack Developer currently gaining hands-on experience by working on a full-stack project using MongoDB, Express.js, React.js, and Node.js. Strong understanding of JavaScript and web development fundamentals. Focused on learning how to build responsive user interfaces, connect front-end and back-end components, and manage data using APIs. Eager to grow in the full-stack domain, continuously improving problem solving skills and exploring modern development practices through real-time project work.

EDUCATION

2022 - 2026
KATHIR COLLEGE OF ENGINEERING

B.TECH ARTIFICIAL INTELLIGENCE AND DATA SCIENCE ENGINEERING
CGPA(7.2)

2021 - 2022
GOVT.HR.SEC.SCHOOL

HSC(53%)

2019 - 2020
GOVT.HR.SEC.SCHOOL

SSLC (57%)

PROJECTS

MEDI TIMER – Healthcare Reminder System

- Developed a Java-based desktop application to assist patients with memory loss in managing medications.
- Implemented features like timely medication alerts, diet suggestions, and hydration reminders.
- Used Java Swing for the user interface and serialization for storing user data and schedules locally.
- Designed with future support for AI-based health tracking and ensured offline usability for remote areas.

Drug Efficacy Prediction – Hackathon Project

- Built an ML model to predict the efficacy of asthma medications using patient data.
- Applied Pandas and NumPy for preprocessing and feature engineering.
- Used Random Forest classifier with GridSearchCV tuning.
- Simulated future drug performance to identify optimal medications.

Hand Sign Language Detection – Hackathon Project

- Participated in a hackathon to develop a system that translates hand gestures into text.

- Utilized MediaPipe for hand tracking and SVM for gesture classification.

- Aimed at improving communication accessibility for the hearing and speech

E-commerce Web Application

- Built a full-stack E-Commerce web application using MERN Stack (MongoDB, Express.js, React.js, Node.js).

- Implemented features like user authentication, product management, shopping cart, and admin dashboard.

- Integrated RESTful APIs for dynamic data handling and used MongoDB Atlas for cloud database storage.

- Deployed the application using Render (Backend) and Netlify/Vercel (Frontend) for live access.

TECHINCAL SKILLS

Front-end Development

- React.js
- HTML5
- CSS
- JavaScript

Back-end Development

- Node.js
- Express.js
- MongoDB
- RESTful APIs

Tools & Deployment

- GitHub
- Netlify
- Render
- Vercel
- Postman
- MongoDB Atlas

Programing Language

- Python
- Java

SOFT SKILLS

- Team Collaboration
- Adaptability
- Quick Learner
- Critical Thinking

LANGUAGE

- Tamil
- English