

SHAIK RAIYAN

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EDUCATION

Kalasalingam Academy of Research and Education 2022 – 2026
B.Tech, Computer Science and Engineering (Specialization in AIML) CGPA: 9.08

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, HTML/CSS
Frameworks & Libraries: React.js, Node.js, Express.js, Bootstrap, Tailwind CSS, GSAP, Lenis
Databases, Tools & Platforms: MongoDB, SQL, Git, GitHub, Postman, Vercel
Core Concepts: Data Structures & Algorithms (DSA) in Java, OOPS, DBMS, RESTful APIs

KEY PROJECTS

WanderNest JavaScript, Node.js, Express, MongoDB, EJS
Full-Stack Property Listing Platform
Engineered a complete MVC-based platform with RESTful CRUD functionality, utilizing Mongoose for rigorous schema validation. Developed a secure backend implementing method-override for legacy support and established scalable data management practices. Optimized frontend performance with vanilla JS for dynamic client-side rendering, including real-time location selectors and adaptive UI components.

Pulsevo React, Flask, SQLite, AI Integration
AI-Powered Team Productivity Dashboard
Built a Flask REST API with complex data modeling for real-time task tracking and multi-team benchmarking. Developed a responsive React 18 frontend with live metric auto-refresh and interactive Recharts visualizations. Integrated AI for team sentiment analysis and a natural language interface to query dashboard data conversationally.

TripSage Node.js, Express, MongoDB, Socket.IO, Google Gemini AI
AI-Driven Travel Planner
Architected an end-to-end trip planning workflow featuring real-time data aggregation for flights/hotels and AI-generated markdown itineraries via Google Gemini. Integrated Socket.IO to facilitate live, session-persisted conversational follow-ups with the AI, enhancing user engagement. Implemented robust error handling using custom ExpressError classes and transactional sanitation to prevent XSS attacks.

ACHIEVEMENTS

Winner (1st Prize) - Terralogic Hackathon November 2025
Terralogic Inc. (12-hour hiring hackathon) Nellore
Secured 1st place by engineering **Pulsevo**, a real-time AI-powered team productivity dashboard, delivering a fully functional MVP with predictive analytics and natural language query capabilities under 12-hour time constraints.

Winner (1st Prize) - Disfrutar 2k25 Hackathon August 2025
KARE ACM Student Chapter (24-hour hackathon) Krishnankoil
Led team to victory by engineering **Shorts AI**, an autonomous video production pipeline utilizing Remotion and multi-agent Generative AI (OpenAI, ElevenLabs, Replicate) to programmatically render viral short-form content.

2nd Runner-Up - IBM Ice Day Hackathon October 2023
IBM (24-hour hackathon) Krishnankoil
Developed an ML-powered web application for multi-disease prediction (Diabetes, Heart Disease) integrated with a conversational chatbot for user insights, placing top 3 among 40+ teams.

CERTIFICATIONS

Database Management Systems - CodeChef
Postman API Fundamentals - Postman Student Expert
Java Programming - GeeksforGeeks