

# SHAIK RAIYAN

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## EDUCATION

**Kalasalingam Academy of Research and Education**  
*B.Tech, Computer Science and Engineering (Specialization in AIML)*

2022 – 2026  
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