

GOKUL B

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Education

K. Ramakrishnan College of Engineering

Bachelor of Technology in Artificial Intelligence and Data Science

Graduated with 8.43 CGPA

Dec. 2020 – May 2024

Trichy, Tamilnadu

Jawahar Matric Higher Secondary School

Higher Secondary Schooling

Jun. 2019 – April 2020

Neyveli, Tamilnadu

Jawahar Matric Higher Secondary School

Secondary Schooling

Jun. 2017 – April 2018

Neyveli, Tamilnadu

Projects

Book Notes Catalog | *Node.js, MySQL, EJS, CSS*

<https://booknotes-4mk8.onrender.com/>

- Built a comprehensive web application for cataloging non-fiction books, with sorting and rating features.
- Utilized Node.js and MySQL for efficient backend operations, including dynamic data retrieval and storage.
- Implemented user-friendly EJS templates for rendering responsive and interactive pages, enhancing user engagement.
- Designed a clean and modern UI with CSS, ensuring a seamless user experience across devices.
- Hosted the live version of the app, accessible at: BookLog Web App.

Blog Website | *Node.js, Express, EJS, OpenWeatherMap API*

<https://blogwebsite-x2b4.onrender.com/>

- Developed a fully functional blog platform allowing users to create, edit, and delete blog posts dynamically.
- Integrated IP-based location services using IPinfo and fetched real-time weather data with the OpenWeatherMap API.
- Utilized Express.js for efficient server-side routing and EJS for rendering dynamic web pages.
- Enhanced user experience with a clean, responsive design and seamless blog management.
- Hosted the live version of the app, accessible at: Blog Website Web App.

Dad Jokes Web Application | *React, CSS*

<https://gokulbakkiyarasu.github.io/DadJokes/>

- Developed a dynamic web application that delivers random dad jokes, allowing users to rate them with thumbs-up or thumbs-down.
- Utilized React for an interactive and responsive frontend, ensuring seamless joke navigation and rating functionality.
- Implemented efficient state management to load new jokes dynamically, improving user engagement.
- Designed with a clean and modern UI using CSS, optimizing user experience across devices.
- Hosted the live version of the app, accessible at: Dad Jokes Web App.

Pothole Detection using AI | *Python*

- Developed and implemented a real-time pothole detection system using MobileNetV2, achieving 70% accuracy.
- Utilized Python for image processing and deep learning model integration, reducing detection time by 50%.
- Improved system efficiency by 30% through code optimization and model refinement.
- Deployed the system on Raspberry Pi, ensuring portability and ease of use in real-world scenarios.

Skills

Programming Languages: JavaScript, SQL(MySql), Python

Web Technologies: HTML, CSS, Bootstrap, React, Node.js, JQuery

Tools & Platforms: Git, GitHub, Express, RESTful APIs

Other Skills: Problem-solving, Teamwork

Certifications

- Completed Udemy Certified Python Development Course.
- Completed Cloud Computing certification course on NPTEL platform
- Completed Web Development Certification course
- Presented at International Conference on Emerging Trends in Engineering, Science and Technology (ICETEST)

Languages

- English
- Tamil