

Balakumaran S

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SUMMARY

Results-oriented computer science student with proven full-stack web development skills (MERN stack, Python) seeking a remote internship. Experienced in building responsive web applications with RESTful APIs, user authentication, and payment integration. Eager to contribute to a dynamic team and further develop my expertise.

PROJECTS

Campout (Camping Reservation Platform):

github.com/Bala-kumaran-S/Camp-Out---Camping-website • August 2024 - January 2025

- Streamlined camping reservations with a full-stack web application. Built using EJS, JavaScript, CSS, Node.js, Express.js, and Firebase. Integrated Stripe for payments and Passport.js for secure user authentication.
- Real-time campsite availability via dynamic updates.
- Secure online payment processing with Stripe integration.
- Role-based user authentication and authorization using Passport.js.
- RESTful API design for efficient data management.

Quiz App (Interactive Quiz Application):

github.com/Bala-kumaran-S/Quiz-app • January 2025 -February 2025

- Developed a responsive web-based quiz application using React. Features multiple-choice questions, real-time score calculation, and gamification. Utilized Axios for data fetching with mock data fallback and displays a summary screen.
- Real-time score calculation and display at end.
- Gamification elements (timers, animations).
- Data fetching via Axios with mock data fallback.
- Responsive design with summary and start screen.

EDUCATION

BE - Computer science and Engineering

Paavai college of engineering • Namakkal • 2025 • 7.9

Computer science and Maths

Veludayar Higher secondary school • Thiruvarur • 2022

CERTIFICATIONS

The Joy of Computing using Python

NPTEL • 2024

- Gained proficiency in Python programming concepts, including data structures, algorithms, and object-oriented programming. (Scored 86% | Silver + Elite Certification)

The Web Developer Bootcamp

Udemy • 2024

- Learned full-stack web application using React, Node.js, and MongoDB, gaining practical experience in modern web development techniques.

Computer Networks and Internet Protocol

NPTEL • 2023

- Learned fundamental concepts of computer networking, including network topologies, protocols, and security.

SKILLS

Programming Languages: Python, JavaScript

Web Development (Frontend): HTML, CSS, JavaScript, EJS, Bootstrap, React

Web Development (Backend): Node.js, Express.js

Databases & APIs: Firebase, MongoDB, RESTful APIs

Tools & Technologies: Git, GitHub, Passport.js, Burp suite