Karthik J Rao

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EDUCATION

Sahyadri College of Engineering & Management — **Adyar, Mangalore**
B.E in Computer Science and Engineering (Specialization in Computer science) — *2020 – present*

Sharada PU College — **Kodialbail, Mangalore**
12th Board — *2018 - 2020*

TECHNICAL SKILLS

Programming Languages: JavaScript/ES6, Typescript, Java, HTML5, CSS3
Libraries and Tools: ReactJS, Angular, NodeJS, ExpressJS, MongoDB, Tailwind CSS, Figma, Git, Blender 3D

PROJECTS

- **Huey**: Huey simplifies creating color palettes for design projects. From websites to apps, Huey generates beautiful color schemes with an easy-to-use interface and bonus features, making color selection a breeze.
  - Developed a user-friendly color generation tool: Generates color palettes (1-10 colors) and high-quality gradients for design projects.
  - Enhanced design harmony: Extracted colors from images for cohesive palettes.
  - Streamlined design workflow: Integrated font pairing suggestions for complementary color schemes.
  - Improved user experience: Implemented features like downloadable PDFs, sharable links, and saved color palettes.
  - **Technologies**: MongoDB, ExpressJS, ReactJS, NodeJS
- **Blog Bloom**: Blog Bloom is a full-stack blog application created using the MERN (MongoDB, Express.js, React, Node.js) stack. It allows users to register, login, create, edit, and view blogs with rich text content and embedded images.
  - Authentication: Implemented secure user registration and login using bcrypt for password encryption and JWT for authentication.
  - Blogging Platform: Developed a web application for creating, editing, and displaying blog posts with text and image embedding. Utilized a maximum of 20 recent posts for the listing page, with the newest displayed first.
  - Rich Text Editing: Integrated React Quill for an enhanced blogging experience with rich text formatting capabilities.
  - **Technologies**: MongoDB, ExpressJS, ReactJS, NodeJS
- **Film Buzz**: FilmBuzz is a web application that provides users with a platform to explore and discover information about movies and TV shows, much like IMDb. This README file serves as a guide to help you understand and use the FilmBuzz web app effectively.
  - Implemented keyword search functionality for efficient content discovery.
  - Designed detailed movie/TV show pages displaying plot summaries, ratings, and more.
  - Employed user authentication for account creation and login.
  - **Technologies**: MongoDB, ExpressJS, ReactJS, NodeJS

INTERNSHIP

Project Intern
99Game Udupi, India — *Feb 2024 - Present*

- Developing a web application using the MEAN stack (MongoDB, Express.js, AngularJS, Node.js) that facilitates easy creation, organization, and viewing of notes.
- Users can create notebooks, sections, and pages within notebooks. Pages support rich content including text, to-do lists, and other list items. Additionally, the application empowers users with a powerful deep search functionality.

EXTRACURRICULAR ACTIVITIES

- **Devhost Hackathon 2022** Developed a sentiment detection application that analyzes the tone of voice. Oct 2022.