Dhanush BK

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Portfolio: dhanushbk-portfolio.vercel.app

As a tech enthusiast and Full-Stack Developer(MERN Stack), I'm passionate about building intelligent, scalable, and impactful solutions. I thrive on exploring software development, AI, and emerging technologies to drive innovation and solve real-world challenges.

Skills

Frameworks & Libraries: , MongoDB, NodeJS, NextJS, TailwindCSS, Material UI, BootstrapCSS, Prisma, Zustand, ExpressJS, ReactJS, Langchain, Tensorflow, Scikit-Learn, Keras, Pytorch, Numpy, Pandas, Matplotlib

Dev Tools: Jupyter notebook, Google Colab, Pycharm, Nodejs, VS Code, Git, Github

Programming Languages: Python, JavaScript, C/C++, Java, TypeScript, HTML, CSS, SQL

Soft Skills: Learning Agility, Adaptability, Emotional Intelligence, Creative Solutioning

Work Experience

Softrate, Chennai   Sept 2023 - Apr 2024
Full-Stack Developer

- Developed responsive web interfaces with the MERN stack & NextJS, optimizing performance with lazy loading and code splitting, improving page load speed by 25%. Contributed to product development, enhancing server performance and database architecture, reducing query execution times by 20%.

CubeSimple   Apr 2024 - Oct 2024
React Developer

- Enhancing website's interface and usability by 20%, then transitioned to ITOM, automating data analysis with JavaScript, reducing manual effort by 30-50%. Led a team of 5 engineers to optimize ITOM workflows, reducing incidents by 25% and improving operational efficiency.

Project Work

- **Full-Stack Developer Portfolio Web Application (Live Site) :** A developer portfolio built with Next.js, Tailwind CSS, TypeScript, and Zustand, featuring an admin dashboard with dynamic blog management using Prisma ORM and MongoDB. Deployed on Vercel for optimized performance and global availability.

- **AI-Powered Smart Healthcare Assistant (Live Site):** AI-driven Streamlit app that estimates nutritional values of Indian dishes using Groq's LLaMA-3 model for ingredient extraction and classification. It matches extracted data with a ChromaDB vector database to retrieve calories, protein, fat, and carbs. Users get instant insights without manual input.

- **MERN Stack Tourism Platform :** Developed a full-stack development tourism app with the MERN stack, offering personalized recommendations and seamless booking. Optimized front-end development, ensuring a user-friendly interface. The platform's continuous improvement led to a better in user engagement.

Education

SSIT, Chennai   Aug 2020 - Apr 2024
Bachelor of Engineering in Computer Science and Engineering
Relevant Coursework: Object Oriented Programming, Database Management System, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Software Engineering

Key Roles & Certifications

- Web Development Bootcamp Certification on Udemy
- Chairman, IEEE Computer Society at SSIT
- IBM Machine Learning Professional Certification
- IBM Deep Learning with PyTorch, Keras and Tensorflow Professional Certification
- IBM Generative AI Engineering Professional Certification