RAGAVAN B

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PROJECTS

Enterprise E-Commerce Website - (At Present)
- Pioneered a modern e-commerce platform utilizing React (TypeScript), Tailwind CSS, and shadcn/ui, decreasing page load times by 50% and improving media handling efficiency by 40%.
- Improved image storage efficiency by 40%, loading speed by 50%.
- Implemented scalable backend logic and security layers to manage over 10,000+ concurrent users with 99.9% uptime.

AnimeTouch Website Development -(Link)
- Engineered a responsive e-commerce platform using React.js and Bootstrap, integrating a streamlined checkout process; this reduced cart abandonment rate by 15% and boosted mobile traffic conversion by 25%.
- Reduced server latency by 50% by optimizing Node.js/Express.js backend structure.

Restaurant Website Using Bootstrap -(Link)
- Designed a modern restaurant site with responsive UI and improved reservation conversion by 50%.
- Applied SEO best practices, driving a 30% boost in organic traffic.

Brain Tumor Classification System -(Link)
- Created an ML-based diagnostic tool with 95% classification accuracy on 44,000+ MRI images.
- Streamlined diagnosis time by 40% and integrated Streamlit for accessible deployment.

DeepFake Detection System -(Link)
- Trained a deep learning model using Inception ResNet V1, achieving 92% accuracy.
- Reduced false positives by 20% through data augmentation and model tuning on Kaggle resources.

EXPERIENCE

Member, IEEE-CS Society
Mar 2023 - Present
- Directed event planning for an inter-college RoboExpo, increasing engagement by 40% and boosting sponsorships by 20%.
- Attended 10+ hour workshop on Generative AI and LLMs, gaining proficiency in GANs, VAEs, and Diffusion Models.
- Facilitated technical sessions on AI and robotics for 100+ participants.

Member, GDSC
Nov 2023 - Present
- Designed and fine-tuned 5+ ML models on Google Cloud Labs, improving prediction accuracy by up to 12% as part of the Google Innovators Program.
- Collaborated in a 3-member team to design LLM-integrated diagnostic tools.

TECHNICAL SKILLS

Languages	JavaScript, TypeScript, Python, C, Java
Frontend	ReactJS, Tailwind, Bootstrap
Backend	NodeJs, ExpressJs
Database	MongoDB, MySQL(basic)
ML Libraries	TensorFlow, Pytorch, Scikit-learn
ML Tools	Streamlit, Gradio
Version Control	Git, GitHub

EDUCATION

S.A Engineering College   2022 - 2026
BE. Computer Science(AIML)

CERTIFICATIONS

IBM Full Stack Software Developer [Professional Certificate] - (Link)

Software Testing (IIIT-Bangalore, NPTEL) - (Link)

ACHIVEMENTS (Link)
- 2nd Runner-Up, Nexus 2k24 Project Expo Developed DeepFake Detection system, reducing misinformation by 30%.
- Presented ML projects at IEEE and campus-level tech symposiums, reaching over 500 professionals.

On Going Projects
- **Medical Diagnostic System :** Integrating Mistral LLM with CV tools for enhanced disease detection.
- **Full-Stack E-Commerce App :** Building a scalable solution with React (TS), MongoDB, Firebase, and secure API layer.