Abhishek Dandgawhal

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EDUCATION

Dr. D.Y. Patil College of Engineering Akurdi, Pune 2019 – 2023
Bachelor of Engineering in Instrumentation and Control Engineering **CGPA: 8.90**
- Technical Courses: Data Structures and Algorithms, C++ Programming, Operating Systems, Database Management Systems,Object Oriented Programming, Machine learning, Data Science and Statistics, Artificial Intelligence, Cloud Computing, Deep learning

Aadarsh Jr College Akola 2017 – 2019
Senior Secondary (Class XII) **Percentage: 70.31**

WORK EXPERIENCE

Computer Vision Intern - TheSparksFoundation Aug 2021 – Mar 2022
- Spearheaded the development and implementation of cutting-edge deep learning models for image classification, object detection, and semantic segmentation; utilized OpenCV, TensorFlow, and PyTorch to preprocess, augment, and analyze image data, resulting in a 40% improvement in accuracy and a 60% reduction in manual labeling efforts.
- Led a groundbreaking Face Detection Project, where the generated model achieved an exceptional accuracy rate of 99.998% - a significant leap compared to existing models, setting a new standard in the industry.

Full Stack Developer - Analysed Jun 2023 – May 2024
- Optimized application performance, achieving a 30% improvement, and reduced page load times by 20% through innovative solutions.
- Streamlined team collaboration and communication within a fast-paced environment, Increasing 25% in project delivery efficiency and a 40% reduction in rework time.
- Utilized MERN stack technologies including MongoDB, Express.js, React.js, and Node.js to develop robust web applications contributing to 100% of successful project deliveries.

PROGRAMMING ACHIEVEMENTS

- Secured **Global Rank 144** in CodeChef Contest
- Getting rated **3-Star Coder** on CodeChef Competetive Programming Platform
- Solving **450+** questions on leetcode
- **5-Star** rating on Hackerrank

TECHNICAL PROJECTS

Fowel(AI/tech discuss media App) - GitHub Link / Next.js, TypeScript, MongoDB, Prisma, Tailwind, Vercel
- Developed "Fowel," a Next.js application for posting and sharing insights and updates on AI technology, utilizing a robust stack including Prisma, MongoDB, SWR, Zustand, and Tailwind CSS for efficient state management, data fetching, and responsive design.
- Implemented features for posting, sharing, and commenting on AI tech updates, ensuring seamless user experience and real-time interactions through the integration of Next.js, Prisma ORM, and MongoDB for scalable and efficient data handling.

Face-Mask Detection - GitHub Link / Keras, TensorFlow, OpenCV, Computer Vision, Python, Deep learning
- Leveraged CNNs and MobileNet to successfully identify and distinguish between individuals wearing face masks and those without, contributing to the development of a robust face mask detection system.
- Training the given model with 99.98% of Accuracy

Plant-Disease-Detection - GitHub Link / Deep Learning, CNN, Python, FASTAPI, Postman, Docker, React
- Utilizes Convolutional Neural Networks (CNN) for plant disease detection and classification.
- Implements a REST API with FASTAPI, integrated with Postman for testing, and containerized using Docker. Frontend developed with React.js for a user-friendly interface.

SKILLS AND INTERESTS

Technical: C, C++, Java, Python, MLOPS, Docker, Django, Flask, MySQL, JavaScript, TypeScript, Next.js, Prisma, Vercel, Firebase, tailwind CSS, Bootstrap, Material Ui, shadcdn, MongoDB, NoSQL, AI, Apache, React, Python, MLOPS, Computer Vision, Docker, Deep learning, Data Structures and Algorithms.