Kedarnath Rothe

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EDUCATION

Vishwarkarma Institute Of Information Technology, Pune	2021-2025
*Bachelor's Degree in Information Technology - **CGPA - 8.89***	*Pune, India*
SSGM College, Kopargaon	2019-2021
*HSC - **88.67%**, CET - **97.35%***	*Kopargaon, India*

WORK EXPERIENCE

Project intern, iNeuron.ai (Demo) — Feb 2024 - June 2024
Online Booking System for Car Rentals — *Virtual Internship*

- Built full-stack car rental system using React, Node.js, Express, and MongoDB.
- Created an analytical dashboard for admins to track bookings and car data.
- Integrated secured backend authentication for data access and user roles.
- Used Cloudinary for image management and deployed the project on Vercel.

PROJECTS

Official Website for NSS VIIT (Demo) — August 2023

- Developed a responsive frontend in ReactJS for official NSS website.
- Added animations with CSS and NPM libraries for enhanced user experience.
- Website was Deployed on AWS for reliable hosting and continuous deployment.

Wealthify (BlackRock Hackathon) (Demo) — July 2024

- Developed Wealthify during a 24 hour hackathon focusing on financial education and management for students.
- Implemented course suggestion feature and integrated Twilio for WhatsApp notifications and calls.
- Used OpenAI to generate responses to user queries.
- The website is 80 % cleaner than other websites globally.

Ocular Disease Detection System — December 2024

- Created a dual-stage system using custom CNN and deep CNN models.
- Achieved 80 % accuracy in disease classification, 95 % in severity assessment.
- Built a web application with Flask, integrating machine learning and image processing for fundus image analysis.

PUBLICATIONS AND RESEARCH WORK

Pothole Detection Using YOLOv8 (certificate) — Nov 2023 - Feb 2024

- Publish: IEEE International Conference, Presentation: ICWIT Conference, Bangalore (Online)
- Implemented a Pothole Detection System using YOLOv8, an object detection model.
- Achieved 78 % accuracy, outperforming previous research.
- Focused on enhancing road safety by identifying potholes in images and videos.

SKILLS AND INTERESTS

Technical Skills: Java, JavaScript, SQL, HTML, CSS, React, Node.js, ExpressJs, MongoDB, REST API's, OOPS, DBMS, Operating System
Developer Tools: Git & GitHub, VS Code, Eclipse, Postman (API Testing)
Soft Skills: Communication, Problem Solving, Teamwork

CERTIFICATIONS & ACHIEVEMENTS

Technical Head at NSS VIIT
Leetcode: Profile link
Full Stack Web Development Course, Udemy
Partcipated in Hacktoberfest 2023 (Open Source Contributions)