

Rohit Kheto

Frontend Developer

📍 Kolkata, West Bengal

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🔗 Portfolio



EDUCATION

RCC Institute of Information Technology, Kolkata

CGPA: 9.1067

Bachelor of Technology in Information Technology

2021 - 2025

Baradongal Ramanath Institution

Percentage: 89

XII (West Bengal Council of Higher Secondary Education), West Bengal

2021

Baradongal Ramanath Institution

Percentage: 91.87

X (West Bengal Board of Secondary Education), West Bengal

2019

TECHNICAL SKILLS

Languages: C++, Java

Technologies/Frameworks: HTML5, CSS3, JavaScript, React, SASS/SCSS, Bootstrap, Tailwind CSS, Git

Developer Tools: VS Code, MySQL Workbench, Jupyter Notebook

Databases: MySQL, Oracle

Soft Skills: Problem solving, teamwork, adaptability

Course Work: • Data Structure and Algorithm • Database Management Systems • Object Oriented Programming

EXPERIENCE

Hi-Tech System and Services Ltd.

Kolkata

Web Developer Intern

Apr 2024 – Oct 2024

- Developed a substation monitoring system using HTML5, CSS3, JavaScript, and .NET. Integrated jQuery, Chart.js, and jsPDF for interactivity, trend visualization, and report generation. Features include real-time thermal imaging, hotspot detection, and critical temperature alerts.
- Built a Hotspot Detection System for molten steel torpedo containers with thermal imaging. Utilized .NET for backend processing, and employed Chart.js and jsPDF for visualizations and documentation. Enabled real-time AI-driven threat detection with interactive charts and alarm-triggered image displays.

Itobuz Technologies

Kolkata

Software Development Trainee

Nov 2024 – Jan 2025

- Currently undergoing training in MERN stack (MongoDB, Express.js, React.js, Node.js) development to build scalable and responsive web applications.
- Enhancing understanding of front-end and back-end technologies, along with best practices for full-stack development.

PROJECTS

Personal Portfolio | *HTML5, CSS3, JavaScript* 🔗

March 2024 – Apr 2024

- Engineered a modern personal portfolio website to effectively showcase skills and projects.
- Integrated a sleek design with dynamic theme-switching capabilities to enhance user experience.
- Achieved a fully responsive layout, optimizing the site for diverse devices and screen sizes.

Drowsiness Detection System | *Python, OpenCV, Keras, Raspberry Pi* 🔗

Sept 2024 – Present

- Built a drowsiness detection system using a 2D CNN model to monitor eye states and alert drivers in real-time.
- Achieved 96.7% accuracy in image classification for open and closed eyes with preprocessing and 5-fold cross-validation.
- Used Haar Cascade for face and eye detection, ensuring functionality with spectacles and various lighting conditions.
- Expanded the project to a hardware solution with Raspberry Pi, adding a buzzer alert to improve road safety.

Sorting Visualizer | *React, Tailwind CSS, HTML5, CSS3* 🔗

May 2024 – June 2024

- Developed a sorting visualizer with React and Tailwind CSS, featuring merge, selection, bubble, quick, insertion, and heap sort algorithms, with real-time visual cues for comparisons and swaps to aid understanding.
- Highlighted each algorithm's time and space complexity, along with properties such as stability, adaptiveness, and in-place sorting, with a responsive interface ensuring compatibility across devices.

Gaming Website | *HTML5, CSS3, JavaScript* 🔗

Aug 2023 – Sept 2023

- Designed an interactive gaming website featuring engaging games to captivate users.
- Modernized a Sudoku game using advanced DSA for complex puzzle generation and resolution.
- Included games such as Whack-A-Mole, Snake and Ladder, and Tic-Tac-Toe, enhancing site entertainment.