

RAMAN SONI

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Education

Indian Institute of Technology Mandi

2018 - 2022

Bachelor of Technology in Electrical Engineering

CGPA: 7.51/10

Relevant Coursework: Data Structures And Algorithm, Information and Database Systems, Operating Systems, Data Science, Statistical Learning, Data Handling and Visualization, Special Topics in Deep Neural Networks

Skills

Languages: C, C++, C#, Python, Matlab

Web Technologies: HTML, CSS, Javascript, TailwindCSS, ReactJS, Express, NodeJS

Design Skills: Procreate, Adobe Illustrator, Figma, Adobe Photoshop

Work Experience

Front-End Developer (Intern)

Sept 2023 - Ongoing

Dyord AITech Pvt. Ltd.

Remote, India

Working for a pre-production project at a startup, specializing in ReactJS, Redux, and Tailwind CSS to create responsive and user-friendly web interfaces.

Technical Manager - Trainee

Aug 2022 - Dec 2022

ICICI Bank Ltd.

Hyderabad, India

Initiated a digital visiting card solution for 1.25L ICICI employees, reducing reliance on printed cards.

Managed development and delivery by coordinating with teams of business analysts, developers, and designers.

As application owner for iSpace, enhancing maintenance and scalability while providing crucial technical support to 125,000+ users.

Personal Projects

Sharespeare

Tech Stack: ReactJs, MUI, Redux, NodeJs, Express, JWT, MongoDB

Developed MERN stack Social Media App for sharing text quotes, poems, book reviews and anecdotes.

Implemented features like making posts with images, following profiles, liking posts, commenting, and messaging.

Utilized ReactJS, MaterialUI for front-end, Node.js, Express for backend, and MongoDB for database.

Blog App

Tech Stack: ReactJs, CSS, Firebase, Firestore

Developed a personal blog website for a Ph.D. Scholar.

Employed authorization and CRUD implementation on Firestore for managing blog posts and portfolio details.

Integrated Markdown to HTML conversion for easy content creation aligning with the user's daily workflow.

Audio Equalizer Design

Tech Stack: C++, JUCE framework

A 3-band audio equalizer running live in-line audio to boost vocal sound and reduce noise.

Used modules from JUCE framework to set DSP - band-cutoff, amplification, and band-pass filters.

Created a GUI to control the parameters and display visual response curves and spectrum analyzers.

Data Analysis of BNG devices

Tech Stack: Python, Scipy, Numpy, Pandas

Performed data cleaning, pre-processing, and predictive analysis on performance records of Broadband Network gateway devices across IIT Mandi Campus using methods like outlier removal, linear interpolation and principle component analysis, KNN and GMM models, polynomial regression.

Achievements

Top 3% 2800+ Contest Rating on codingninjas.com 