RAMAN SONI

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Engineering graduate looking for a software development role

Education

Indian Institute of Technology Mandi   2018 - 2022

Bachelor of Technology in Electrical Engineering   CGPA: 7.51

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

Management Trainee (Technology Group)   Aug 2022 - Dec 2022

ICICI Bank Ltd.   Hyderabad, India

Initiated a digital visiting card solution for 125,000 ICICI employees, reducing reliance on printed cards.
Managed development and delivery by coordinating with teams of business analysts, developers, and designers.
Worked as application owner for iSpace, a critical application used daily by all 125,000+ ICICI employees.
Provided new enhancements ensuring maintenance, scalability, and provided technical support to the users.

Personal Projects

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.

Blog App ⊙ ⌲   **Tech Stack:** ReactJs, CSS, Firebase, Firestore

Developed a personal blog website for a Ph.D. Scholar.
Employed authorization and CRUD implementation for managing blog posts and portfolio details.
Integrated Markdown to HTML conversion for easy content creation aligning with the user's daily workflow.
Utilized Firebase for authentication and Firestore for database and file storage.

Sharespeare ⊙ ⌲   **Tech Stack:** ReactJs, MUI, Redux, NodeJs, Express, JWT, MongoDB

Developed MERN stack Social Media App for sharing text quotes and poems.
Implemented features like making posts with images, adding friends, liking posts, commenting, and messaging.
Utilized ReactJS, MaterialUI for front-end, Node.js, Express for backend, and MongoDB for data storage
Ensured secure authentication using JWT, data integration with Mongoose, and password encryption with bcrypt.

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.
Methods used included outlier removal, linear interpolation, standardization, and principle component analysis.
Classification techniques included KNN, Naive Bayes, and GMM models, and prediction by polynomial regression.

Achievements

Top 6%   2300+ Contest Rating on codingninjas.com ⌲
3rd Place   Hack36 Hackathon IITMandi