Mani Raj Chaturvedi

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B.Tech
Electical Engineering
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EDUCATION

•**Maulana Azad National Institute of Technology, Bhopal** — *2021-2025*
B.Tech , Electrical Engineering — CGPA : 8.74

•**S.V.M.I.C. Charkhari** — *2019*
12th UP Board, Uttar Pradesh — Percentage: 84

•**S.V.M.I.C. Charkhari** — *2017*
10th UP Board, Uttar Pradesh — Percentage: 89

PERSONAL PROJECTS

•**Real Time Chat App** [Code] [Live]
Tech stack - React js, Express js , Mongo Db , Socket.io

- Built a real-time chat web application leveraging the MERN stack (MongoDB, Express.js, React, Node.js).
- Enabled instant messaging and online status indicators using Socket.io, ensuring users receive immediate notifications and can see who is online for seamless interactions.
- Employed JWT tokens to secure user authentication and authorization, guaranteeing safe user login and data protection throughout the application.

•**Transact Ease** [Code]
Tech Stack - React.Js, Express.Js, Node.Js , Mongo Db

- Developed a full-stack money transfer application using React (frontend), Node.js and Express (backend), and MongoDB (database), enabling seamless and secure financial transactions.
- Implemented JWT authentication to ensure secure user signup and signin, preventing unauthorized access.
- Utilized MongoDB transactions to maintain data consistency and ensure atomicity in financial transactions, preventing issues like double spending or partial updates.

•**Loan Status Prediction System** [Code]
Tech Stack - Python, Pandas, Numpy, Streamlit, Scikit-learn, Google Colab, Pickle

- Designed a web-based predictive model for loan status classification using Python, Pandas, Numpy, Scikit-learn that ensures reliable performance with optimized model accuracy on test datasets.
- Integrated Logistic Regression and Support Vector Machine (SVM) models, achieving high accuracy and the model provides real-time loan approval predictions for users through a user-friendly interface.

TECHNICAL SKILLS AND INTERESTS

General: Data structures and Algorithms, Oops, Dbms, Machine Learning, Operating Systems
Languages: C , C++, Python, SQL , JavaScript
Frontend: HTML, CSS, Bootstrap, Tailwind, Typescript, Recoil, React.js
Backend and Databases: Node.js, Express.js, PostgreSQL, MongoDB, Prisma(ORM), Authentication (JWT)
Tools: Amazon Web Services(AWS), Microsoft Excel, VS Code, Git, GitHub

POSITIONS OF RESPONSIBILITY

•**External Affairs Incharge ,** Ae se Aenak : The Cultural Society of NIT-B — *Sept 2022 - Present*

- Performed Nukkad Natak on Republic Day and Independence Day 2023 and in some other colleges and successfully conducted many Nukkad competitions with national participation.

•**Quizzer,** Quizzers club Manit — *June 2022 - May2023*

- Coordinated and conducted the events Anveshan and Gyan Trivia in Maffick'23, the annual cultural fest of MANIT Bhopal, ensuring smooth execution and participant engagement.

ACHIEVEMENTS

- Solved 950+ DSA questions on LeetCode and a total of 1200+ questions on various coding platforms.
- Participated in 35+ coding contests on various platforms like CodeChef, Codeforces, LeetCode.
- Secured top ranks in both 10th and 12th board exams in District and was awarded by Chief Minister.

SOFT SKILLS

· ● Problem Solving   ● Time Management   ● Leadership