

Vaibhav Tomar

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in Vaibhav

🐦 @Vaibhavv

Summary

- Computer Science graduate skilled in Python, Java, MERN stack, and Data Structures Algorithms, with knowledge of Machine Learning, Intelligent Automation, and Agentic AI frameworks., with curiosity for emerging technologies and ability to quickly learn and deploy AI-driven automation solutions

Projects

Second Brain – Link Management Web App

- Developed a full-stack productivity application inspired by the concept of a "second brain," enabling users to save, organize, and revisit links for later reference.
- Implemented user authentication and session management using JWT and bcrypt, with CRUD functionality for managing saved links.
- Designed a responsive UI with React, TypeScript, and Tailwind CSS, deployed frontend on Vercel and backend on Render/Heroku.
- **Tools Used:** React.js, TypeScript, Tailwind CSS, Node.js, Express.js, MongoDB, JWT, bcrypt

Disease Prediction System

- Built a machine learning model to predict diseases based on symptoms and patient data, applying Logistic Regression, Random Forest, and SVM classifiers.
- Performed data preprocessing, feature engineering, and evaluation using metrics such as accuracy, precision, recall, and F1-score.
- Integrated the ML model into a Flask/Django web app to provide real-time predictions with a simple user interface.
- **Tools Used:** Python, Pandas, NumPy, Scikit-learn, Flask/Django, Matplotlib, Seaborn, Streamlit/Heroku

Technical Skills

Frontend	JavaScript, React.js, Next.js, TypeScript, Tailwind
Backend	Node.js, Express.js, TypeScript
Databases	MySQL, MongoDB, PostgreSQL
Tools	git, postman, github, Figma



Education

B.Tech Kalinga Institute of Industrial Technology, Computer Science

Sept 2022 – May 2026

- CGPA: 7.77/10.0
- **Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Database Management Systems, Computer Networks, Software Engineering, Machine Learning, Cloud Computing, Artificial Intelligence

Achievements & Certifications

- Solved 200+ Data Structures and Algorithms (DSA) problems on platforms such as [LeetCode](#) , enhancing coding proficiency, algorithm design, and problem-solving skills.
- Achieved [NPTEL Certification](#)  in Software Engineering (IITs initiative) by clearing a nationally proctored examination.