Abhishek Patidar

✉ abhipatidar253@gmail.com | 📱 6263809884
🐙 https://github.com/Abhi-Ptdr | 🔗 https://www.linkedin.com/in/abhiptdr/

Skills

Languages: C/C++, Python, JavaScript, SQL

Technologies & Tools: HTML, CSS, Bootstrap, Tailwind CSS, ReactJS, Next.js, Node.js, MongoDB, Express.js, Redux Toolkit, Git, GitHub, WordPress, APIs, Data Structure and Algorithms(DSA), DBMS, Big Data Analytics, Machine Learning, Deep Learning, Natural Language Processing (NLP), LLMs, Neural Networks.

Education

IIIT Gwalior   Aug 2023 - Present
M.Tech in Computer Science and Engineering   *CGPA: 8.87/10*
Relevant Coursework: Implementation Techniques of Algorithms, Computer Networks and Security, Fundamentals of Cryptography, Big Data, Machine Learning, Deep Learning, Software System Design

Work Experience

Zidio Development, Remote   April 2025 - Present
Web developer, MERN Stack

- Developed responsive, interactive UIs using React.js, Tailwind CSS, Redux Toolkit, improving user engagement by 30% through dynamic dashboards and data visualizations.
- Built and maintained RESTful APIs using Node.js, Express.js, and MongoDB, reducing data retrieval time by 40% and improving backend reliability.
- Implemented file upload and data processing features using Multer and Sheet.js, enhancing operational efficiency and automating manual workflows by 50%.
- Collaborated in a team of 5 developers using Git/GitHub and Postman for version control and API testing, with integration of OpenAI APIs to generate smart content summaries, reducing content generation time by 60%.

Project Work

- **Hire Hive:** Built a full-stack job portal using React.js, Node.js, Express.js, and MongoDB, featuring role-based authentication for job seekers and recruiters. Managed 100+ job postings and 1,000+ applications with 5+ API endpoints. Leveraged Redux Toolkit for real-time updates and integrated Cloudinary for file uploads. Redux, Axios, Tailwind CSS, Framer Motion, Vite, Render. Project Link
- **Smart Task Manager:** Designed a full-stack task management web app enabling users to efficiently create, update, delete, and categorize tasks. Features a timeline view to visualize 100+ tasks across different timeframes per assignee, supports real-time updates with 99% uptime, and ensures a seamless experience with mobile-first responsive design. Reduced task retrieval time by 40% using optimized API calls. React (Next.js), Tailwind CSS, Zustand, Node.js, Express.js, MongoDB. Project Link
- **Fake News Detection:** Developed a fake news detection model using 6,000+ records and 14 features collected from Threads, Explored 10+ fact-checking platforms for data annotation. Implemented 5+ ML models, achieving 91.08% accuracy with LightGBM, while tackling class imbalance using LLM-generated data. Beautiful Soup, Selenium, SBERT, LLM, ML. Project Link
- **DDoS Detection System:** Implemented a machine learning based pipeline achieving 98.7% accuracy in detecting DDoS attacks. Processed 1M+ records in CIC-DDoS2019 and SDN-Dataset. Applied PCA for feature reduction and ensemble techniques. Findings published in the Springer Journal. Python, Scikit-learn, Pandas. Project Link

Achievements and Certificates

- Qualified **GATE-2023 (CSE)**.
- HackerRank Badges: Gold (C++, SQL), Silver (Problem Solving, Python).
- Certifications: Fundamentals of C++ (Coding Ninjas), Web Development (Udemy), Programming with Python (Internshala), Web Development Intern (Designing World).

Extra-Curricular

- Volunteered at International Conference CVMI-2023.
- Submitted a paper on "Empowering DDoS Resilience: Machine Learning Strategies for Enhanced Cybersecurity" to Springer Journal.