

Abhishek Patidar

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Skills

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

Technologies & Tools: HTML, CSS, Bootstrap, Tailwind CSS, ReactJS, Next.js, Node.js, MongoDB, Express.js, Git, GitHub, WordPress, OOPs, Operating System, Data Structure and Algorithms(DSA), DBMS, Computer Networks, Big Data Analytics, Machine Learning, NLP, System Design.

Education

IIIT Gwalior

M.Tech in Computer Science and Engineering

Relevant Coursework: Implementation Techniques of Algorithms, Computer Networks and Security, Fundamentals of Cryptography, Big Data, Machine Learning, Software System Design

Aug 2023 - Present

CGPA: 8.61/10

Work Experience

Designing World Pvt. Ltd., Remote

June 2021 - Sept 2021

Web developer, WordPress Backend Developer

- Collaborated with a multidisciplinary team of 10+ designers, developers, and system administrators, leading to improvement of 25% in project delivery timelines.
- Created web platform back ends using WordPress and Python frameworks, supporting 100k+ monthly active users and improving system stability by 40%.
- Built server-side logic in Python and JavaScript, enhancing application performance by 50% and reducing error rates by 20%.
- Integrated front-end elements into applications, ensuring seamless functionality and boosting user engagement by 15%. Skills: WordPress, HTML, CSS, JavaScript, jQuery, Bootstrap, ReactJS, MySQL, System Design.

Project Work

- **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](#)
- **NewsThreads:** Built a scalable React application for news aggregation and analysis, featuring real-time updates, API rendering, and responsive design. Optimized API response time to under 300ms and Crafted advanced state management to handle over 500+ articles across 10+ devices. JavaScript, Bootstrap, ReactJS. [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 for scalability. Findings published in a Springer Journal conference paper. 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.