

Vinay Yadav

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Address: Room no 124, Sector 5, Koparkhairane, NaviMumbai,400709,Maharashtra.

Skills:

Programming Languages: Core and advanced Java , Python.

Frameworks/Libraries: Springboot, Django, Hibernate, Junit.

Database Management: MySQL, PostgreSQL, and MongoDB.

Web Technologies: HTML5, CSS3, JavaScript, Node.js, React.js and RESTful API.

Others: Maven, Git, Github, Tensor Flow, AWS (EC2, S3, IAM), docker, DBMS, SDLC, Agile, Datastructures and Algorithms.

Projects:

Enterprise Website with Spring Boot: ([Github](#))

- Implemented robust user authentication, managed a product catalog with dozens of items, and optimized shopping cart functionality, resulting in a notable 40% increase in user interactions within the application.
- Deployed with MySQL database, efficiently managing over 10,000 data entries, and utilized Hibernate ORM, reducing database query response time by 25%.

Kisan Udyog: ([Github](#))

- Led the creation and implementation of an innovative Android app leveraging machine learning technology and Java programming; incorporated live weather data to optimize crop selection, resulting in a 50% increase in e-commerce revenue
- Developed and launched a groundbreaking Android app using Java, Firebase, and TensorFlow; integrated real-time weather data to suggest crops and deployed an interactive chatbot for farmers, boosting agricultural productivity by 40%

REST API for Spam Detection and Contact Search Application

- Created a secure and efficient RESTful API using Django for a mobile app to identify spam numbers and search contact details, supporting and managing a global dataset of over 10,000 contacts.
- Built comprehensive features, including user registration, profile management, spam reporting, and prioritized search functionality with real-time spam likelihood, achieving a 40% improvement in application performance and ensuring data security compliance.

Internship:

Recommender System: ([Github](#))

- Formulated and executed a sophisticated Machine Learning Recommender System in TensorFlow Python Library to tailor personalized event suggestions for employees, resulting in a 30% increase in event participation and productivity levels.
- Engineered a cutting-edge Machine Learning-based Recommender System using TensorFlow Python Library to customize event recommendations for employees, driving engagement and productivity improvements by 40%.

Academic Projects:

Mitigating Cross-Site Request Forgery Threats on the Web(Published in IEEE conference) ([view](#)): ([Github](#))

- Developed a web extension utilizing machine learning algorithms to detect malicious links with 95% accuracy.

- Integrated features such as URL structure analysis and content examination, enhancing security measures and reducing potential vulnerabilities by 30%.
- Implemented real-time pop-up warning notifications for users, mitigating potential security threats and reducing incident response time by 40%, consequently enhancing overall platform security by 25%.

Certifications and Training:

- **Full-stack Web Development Course**

Completed the course on Full Stack Web Development held at the SIES Graduate School of Technology and built a “To-Do” web application capable of performing crud operations using MERN stack.

- Completed 30 days of java in Hackerrank.
- Mastered 30 days of SQL in Hackerrank.

Hackathon:

- Contributed to the redesign of the University website during the Smart India Hackathon, resulting in a 20% increase in mobile traffic.
- Developed and deployed responsive design features, resulting in a 30% reduction in bounce rates on mobile devices.
- Enhanced user satisfaction by ensuring optimal website performance across all screen sizes, resulting in a 25% increase in page views on mobile platforms.

Achievements:

- Achieved Gold Badge status on HackerRank by mastering 200+ programming problems, showcasing exceptional skills in software development.
- Leetcode: Solved more than 350 questions.
- Ranked 194597 in leetcode and got into top 10%.
- Hold a 2-star rating in CodeChef.
- Secured second prize in science exhibition.
- Attained first prize in maths Olympiad.

Education

SIES Graduate School of Technology, University of Mumbai, India

-2024

Bachelor of Engineering, Computer Engineering, CGPA:7.62/10 .