

Bharat M. Tharwani

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SKILLS

- **Programming Languages:** Java, JavaScript, Python, PHP, SQL
- **Frontend Development & Frameworks:** React, Redux, Vue.js, Next.js, Tailwind CSS
- **Backend Development, Tools & Technologies:** Spring Boot, Supabase, Laravel, REST APIs, JUnit and Jest for testing, Microservices, AWS EC2, Docker, Docker Compose, Git, GitHub Actions, CI/CD Pipelines, JWT, OAuth, Jira, Apache XAMPP, JupyterLab for Machine and Deep Learning projects

EXPERIENCE

State University of New York

Teaching Assistant

New Paltz, NY

Aug 2023 - May 2024

- Conducted lab sessions for Computer Science Foundations and Data Structures in Java, guiding up to 20 students per session.
- Simplified complex concepts like algorithm design and data structures, improving student understanding and resulting in a 40% average improvement in lab performance scores.

Webspace Studio Private Limited

Senior Full Stack Web Developer

Nagpur, India

April 2021 - Dec 2022

- Led and mentored a team of 4 web developers, improving their coding efficiency by 30% through regular code reviews and skill-building sessions.
- Developed a job portal using Spring Boot and React, combining features of Indeed and Freelancer to enable job postings, applications, and freelance project management on a unified platform.
- Designed and implemented 30+ RESTful APIs, enabling functionalities such as job posting, applicant tracking, candidate shortlisting, and interview scheduling.
- Managed AWS EC2 servers and SQL databases, ensuring platform scalability and a 20% overall performance with 99.8% uptime.
- Configured a CI/CD pipeline with GitHub Actions to automate deployments, reducing deployment time by 30% and ensuring faster, more reliable updates with every code update to GitHub.
- Implemented Docker for containerization and Docker Compose to orchestrate multiple images, ensuring seamless integration between development, testing, and client teams, reducing deployment issues by 25% and enhancing overall workflow efficiency.

Misfit Style

Founder & Lead Software Developer

Nagpur, India

Feb 2019 - Mar 2020

- Designed and developed an e-commerce clothing store using Spring Boot, MySQL, and React.
- Integrated Razorpay payment gateway, enabling 100% secure transactions for seamless and secure payment processing.
- Automated order management workflows with shipping providers to streamline operations.
- Deployed the application on DigitalOcean Droplets with load balancers to handle high traffic and ensure scalability, improving uptime to 99.9% and handling 5,000+ concurrent users.
- Built invoice and inventory management software to manage offline store and web inventory from a centralized platform.
- Implemented unit testing for React using Jest and JUnit for Java, achieving 75% test coverage and reducing production bugs by 30%.

Ranium Systems Private Limited

Software Developer

Nagpur, India

May 2017 - Jan 2019

- Led bug fixing and feature development for multiple clients, with a major project for Eve Sleep, an online mattress company.
- Resolved an average of 15 monthly client-reported bugs, ensuring smooth functionality and providing comprehensive support, achieving a 100% issue closure rate.
- Developed and implemented a custom delivery time slot feature, improving customer satisfaction by allowing specific delivery window selection.
- Created a custom Adobe Commerce plugin and integrated it with Vue.js on the front end to manage and display delivery time slots.
- Automated order processing with a Python script, transmitting delivery data to UPS and reducing manual intervention, resulting in a 15% decrease in delivery-related complaints.

CodeFactree Pvt. Ltd.

Junior Web Developer

Nagpur, India

Jan 2015 - April 2017

- Using CodeIgniter, MySQL, and Javascript, designed and developed custom platforms for 4 vendors to manage their inventory, customers, orders, invoicing, and debt tracking in one place.
- Integrated features to track both expired products and low-stock items, helping vendors stay on top of inventory and reduce waste.
- Built a platform for a salon to manage inventory, invoicing, and payroll.
- Developed a custom commission algorithm to calculate employee commissions based on the services provided.

EDUCATION

State University of New York

Master of Science in Computer Science

New Paltz, NY

Jan 2023 - Dec 2024

Yeshwantrao Chavan College of Engineering

Bachelor of Engineering in Electronics

Nagpur, India

Aug 2011 - May 2014

PROJECTS

Analysis and prediction of price movements in financial markets

- Collected and processed financial market data using the Yahoo Finance API.
- Optimized dataset preprocessing through data cleaning, hot encoding, and scaling, reducing noise and improving model performance by 4%.
- Implemented multiple machine learning algorithms, including Linear Regression, Logistic Regression, Decision Trees, and Random Forests, using Python in JupyterLab, achieving an accuracy rate of 70%.
- Developed a Long Short-Term Memory (LSTM) neural network to predict stock price movements, comparing its performance against traditional ML models resulting in a 5% improvement in prediction accuracy.

CERTIFICATES

React – The Complete Guide (incl. Hooks, React Router, Redux)

Udemy- Jan 2025

- Deepened knowledge in React optimization, state management (Redux), and modern UI best practices.

Spring Boot 3 with JDBC, JPA, Security, Docker, and Microservices

Udemy- Dec 2024

- Gained expertise in building scalable microservices with Spring Boot and Dockerized deployments.