

# Bharat M. Tharwani

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## EXPERIENCE

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### Teaching Assistant

State University of New York

August 2023 – Present  
New Paltz, New York

- Instructing labs for subjects: Computer Science Foundation and Data Structures using Java.
- Conducted 30 lab sessions, guiding an average of 20 students per session.
- Administered prompt grading and recording of 20 quizzes per semester.
- Conducted 4 hours of monthly office hours, providing personalized assistance to over 20 students.

### Full Stack Web Developer

Webspace Studio Private Limited

December 2021 – December 2022  
Nagpur, MH, IN

- Collaborated in the development of Smart Recruit, an innovative platform designed to facilitate secure access to both employment and freelance opportunities.
- Spearheaded the transformation of numerous design prototypes into fully functional and user-friendly web pages.
- Architected and executed over 10 APIs, streamlining data flow and enhancing platform functionality.
- Successfully integrated several new features, ensuring a seamless user experience.
- Handled the end-to-end deployment process for new features, achieving a 20% increase in platform efficiency.
- **Technologies used:** PHP, Laravel, Tailwind, MySQL, Vuex, Vue.js and React.

### Software Developer

Ranium Systems Private Limited

May 2017 – January 2019  
Nagpur, MH, IN

- Delivered comprehensive client support, resolving an average of 15 bug fixes per month.
- Strategically orchestrated website development initiatives, translating conceptual mock-ups into a vibrant online presence.
- Crafted and implemented an advanced delivery functionality for Eve Sleep, an online mattress company, empowering users to select a specific time window for the seamless delivery of their products.

## ACADEMIC PROJECTS

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### Analysis and prediction of price movements in financial markets

August 2023 – December 2024

- Collected and processed financial markets data using the Yahoo Finance API.
- Conducted thorough data cleaning, hot encoding, and scaling, enhancing dataset quality.
- Implemented multiple machine learning algorithms, including Linear Regression, Logistic Regression, Decision Trees, and Random Forests, using Python in JupyterLab.
- Successfully integrated Logistic Regression and Random Forests, achieving a commendable accuracy rate of 70%, showcasing the effectiveness of the predictive models.

## EDUCATION

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### Master of Science in Computer Science

State University of New York

January 2023 – December 2024  
New Paltz, New York

- Relevant Coursework: Programming and Data Structures, Web and Database Programming, Discrete Structures, Advanced Data Structures, Machine Learning and Data Science with a GPA of 3.66.

### Bachelor of Engineering in Electronics

Yeshwantrao Chavan College of Engineering

August 2011 – May 2014  
Nagpur, MH, IN

## SKILLS

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**Programming languages:** Java, JavaScript, Python, PHP, HTML5/CSS3, MySQL.

**Development Skills:** Front-end, Back-end, Rest APIs, API integration, Machine Learning, Web page design and development, Data Analytics.

**Frameworks:** Laravel, Vue.js, jQuery, Magento (now Adobe Commerce), WordPress, React.

**Developer Tools:** Visual Studio Code, Git, Apache XAMPP, Jupyterlab.