

Vaishnav Manoj

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Programming Languages: Python, Java, C++, R, HTML, CSS, ReactJS,

Frameworks: TensorFlow, Spring, Flask

Technologies: Git, Github, MongoDB, Expo

Education

University of Massachusetts Boston

Expected May 2026

- Bachelor of Science in Computer Science, GPA: 3.2/4.0
MA

Relevant Coursework

- Introduction to Python
- Intermediate Computing with Data Structures & Algorithms – Java
- Programming in C++

Certifications

- IBM Python for AI and Data Science Certificate **Jan 2024**
- Introduction to TensorFlow - Artificial Intelligence and Machine Learning **Sept 2021**

Experience

Arizon Systems Private Limited

May 2024 - Aug 2024

Software Engineer Intern

Bangalore, INDIA

- Engineered and developed a ML-based Data Extraction solution to process handwritten and tabular data from pharmaceutical forms, achieving 91% accuracy on 500+ forms, processing efficiency by 40% and saved over \$40,000 in SaaS subscriptions.
- Developed and implemented a predictive financial analysis model utilizing machine learning techniques to identify key market trends, investment opportunities and improving forecast accuracy, with a 70% validation rate by financial analysts.
- Designed and implemented a user-management system that enhanced user accessibility by 30% and ensured 100% compliance with organizational standards, supporting a 25% increase in user engagement on the platform.

Smile Foundation

Sept 2022 - Nov 2022

Frontend Developer Intern

Bangalore, INDIA

- Developed and optimized user-friendly donation forms, simplifying the contribution process, which helped raise 50,000 INR for underprivileged families and students.
- Designed and developed the front-end of the Smile Foundation's fundraising platform, enhancing user experience and boosting online donations by 30%.
- Led community outreach initiatives, using the platform to promote fundraising events, which resulted in a 50% increase in participation and contributions.

Projects

Personal Website | (HTML & CSS, Javascript, React, MongoDB)

Sept 2024

- Developed and deployed a fully responsive personal website to showcase portfolio, technical skills, and projects.
- Designed a modern and intuitive UI, ensuring compatibility across various devices and screen sizes.
- Integrated MongoDB as back-end storage to simplify content management and ensure secure data storage and management.

Weather App (Tutorial-Inspired) | (Javascript, React Native, Tailwind CSS, Expo, Axios)

Aug 2024

- Developed a cross-platform weather application with React Native and Expo, providing real-time weather updates and location-based search functionality.
- Implemented API integration with WeatherAPI via Axios for reliable data retrieval, including current weather forecasts and city location searches.

Search engine autocomplete program | (Java)

Apr 2023

- Programmed an autocomplete program resulting in a 40% improvement in query processing speed using advanced algorithms and data structures.
- Achieved a processing rate of over 1,000 queries per second, significantly enhancing user experience and application

responsiveness through integration testing.