

Vishwas Mattur Harish

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Education

Master of Science in Computer Science Expected May 2025
Arizona State University, Tempe, Arizona (Current GPA: 4.0)

Bachelor of Engineering in Computer Science and Engineering April 2020
Sir M Visvesvaraya Institute of Technology (affiliated to Visvesvaraya Technological University), Bengaluru, India

Skills

Languages: HTML, CSS, JavaScript, TypeScript, ReactJS, NodeJS, ExpressJS, Python, SQL, C, Java, PHP, XML.
Tools: Jest, Figma, Git, APIs, VSCode, GraphQL, Selenium, Cypress, JMeter, Microsoft Office, Azure, WordPress, Docker, Webpack, Agile, Jira, CI/CD Pipelines.

Professional Experience

Software Developer III, UST, Bengaluru, India January 2023 – July 2023

- Architected and implemented high-performance software solutions using ReactJS, Node, Express, and SQL, boosting application performance by 20% and enhancing user experience.
- Optimized API response times and reduced failure rates through strategic implementation of GraphQL APIs, simultaneously decreasing server load by 25%.
- Drove the implementation of new auto-deployment pipelines and automated test suites, resulting in a 30% increase in software testing efficiency.

Software Engineer, Piktrolabs, Bengaluru, India September 2021 – January 2023

- Collaborated cross-functionally to develop user-centric interfaces for 4 distinct projects.
- Mentored 2 junior colleagues, expediting web-app delivery and reducing project resource consumption by 15%.
- Designed and developed a bespoke client web application, delivering the solution 10 days ahead of schedule.

Associate Software Engineer, Accenture, Bengaluru, India December 2020 – September 2021

- Improved code coverage by 25% through implementation of advanced automated tests.
- Identified and resolved over 50 API errors, significantly enhancing application stability.
- Conducted 100+ automated and manual tests on healthcare applications, providing comprehensive feedback that reduced error rates by 15% while ensuring strict adherence to PHI confidentiality and security standards.

Software Engineering Intern, Samartha Infosolutions, Bengaluru, India July 2019 – August 2019

- Developed a cross-platform reporting solution, driving a 20% improvement in operational efficiency.

Community Experience

Teaching Volunteer, Abhikalpana Trust, Bengaluru, India August 2017 – August 2020

- Nurtured over 100 underprivileged children, contributing to a 10% decrease in school dropout rates.
- Delivered engaging science and mathematics instruction to diverse student groups, tailoring teaching methods to accommodate various age groups and ability levels.

Web Developer, Abhikalpana Trust, Bengaluru, India August 2018 – August 2020

- Collaborated on developing and maintaining the Abhikalpana Trust website using WordPress, significantly improving site functionality and user experience.

Board Member, Abhikalpana Trust, Bengaluru, India August 2019 – August 2020

- Led a Climate Change Awareness Campaign, effectively coordinating and delegating responsibilities to a team of 80 volunteers and ensuring a successful event spanning across 7 days.

Projects

AI Letter Writing Assistant August 2024

- Employed OpenAI APIs with tailored prompts and a React.js Frontend to create a letter writing assistant.

Modelling Collective Behaviour in Ants April 2024

- Implemented a spatial agent-based model to study decision making and allocation of resources in ants.

Reinforcement Learning for Language Models December 2023

- Developed RL models to improve logical reasoning capabilities of Large Language Models.

Food Decoder January 2020

- Created a Deep Learning model to generate recipes from images with an accuracy of 80%.

Factory-Outlet Database System March 2017

- Developed a comprehensive GUI tool for the creation and administration of orders and customer management.