

# 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)

Relevant Coursework: Software Verification Validation & Testing, Software Process Project & Quality Management

### Bachelor of Engineering in Computer Science and Engineering

April 2020

Sir M Visvesvaraya Institute of Technology (affiliated to Visvesvaraya Technological University), Bengaluru, India

Relevant Coursework: Web Development, Database Management Systems

## Skills

**Programming Languages:** HTML, CSS, JavaScript, TypeScript, ReactJS, NodeJS, ExpressJS, Python, R, SQL, C, PHP.

**Tools:** Redux, Enzyme, Jest, Figma, Material UI, React Testing Library, Git, APIs, VSCode, GraphQL, Selenium, MS Office, Webpack, Agile, Jira, Storybook.

## Professional Experience

### Software Developer III, UST, Bengaluru, India

January 2023 – July 2023

- Optimized API response times and reduced failure rates through strategic implementation of GraphQL APIs, simultaneously decreasing server load by 25%.
- Executed critical data migration, transferring confidential assets from GitHub to secure proprietary systems, upholding organizational integrity.
- Acted as a bridge between developers and stakeholders, facilitating clear communication, gathering requirements, and ensuring smooth project execution while balancing technical and business needs.

### Software Engineer, Piktorlabs, Bengaluru, India

September 2021 – January 2023

- Engineered advanced CI/CD pipelines and test suites, driving 30% boost in testing efficiency, reducing downtime, accelerating error resolution, and enhancing customer satisfaction
- Developed and executed unit tests using React Testing Library and Jest, catching bugs early and improving code reliability, leading to a 25% decrease in post-release defects.
- Built custom dashboards with interactive visualizations, transforming complex data into actionable insights and improving decision-making.

### Associate Software Engineer, Accenture, Bengaluru, India

December 2020 – September 2021

- 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.
- Investigated and replicated known bugs, pinpointing root causes and suggesting real-time fixes, which accelerated issue resolution by 20% and improved overall system stability.

### Software Engineering Intern, Samartha Infosolutions, Bengaluru, India

July 2019 – August 2019

- Developed a cross-platform reporting solution using a platform-independent approach to fetch data from Oracle, MySQL, and MongoDB, improving operational efficiency by 20%.

## Community Experience

### Board Member, Abhikalpana Trust, Bengaluru, India

August 2019 – August 2020

- Built and maintained a WordPress website, optimizing themes, plugins, and content to enhance functionality.
- Developed and implemented a social media strategy that doubled the trust's online engagement.

### Teaching Volunteer, Abhikalpana Trust, Bengaluru, India

August 2017 – August 2020

- Nurtured over 100 underprivileged children, contributing to a 10% decrease in school dropout rates.

## Academic Projects

### Personal Websites

January 2025

- Designed, built, and deployed a personal portfolio website using ReactJS with a component-based architecture.
- Implemented a deployment pipeline with GitHub Actions to automate builds and updates on GitHub Pages.

### AI Letter Writing Assistant

August 2024

- Developed and deployed an AI-powered letter writing assistant using ReactJS for the frontend and OpenAI APIs for text generation.

### Factory-Outlet Database System

March 2017

- Designed and developed a full-stack Factory-Outlet Database System with a GUI-based tool for managing orders and customer data.