

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

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

Tools: Jest, Figma, Git, APIs, VSCode, GraphQL, ReadyAPI, Selenium, Microsoft Office, WordPress, Webpack, Agile, Jira.

ML/AI: TensorFlow, Keras, NumPy, PyTorch, Pandas, Scikit-learn, OpenAI API, BERT.

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.

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
- Mentored 2 junior colleagues, expediting web-app delivery and reducing project resource consumption by 15%

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.

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.

Academic 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.

Private Data Collection using Negative Surveys March 2024

- Utilized negative survey responses and statistical methods to map disease prevalence across cities using Python-based visualizations and heatmaps.

Reinforcement Learning for Language Models December 2023

- Developed RL model with a bespoke reward function to improve logical reasoning capabilities of LLMs.

Food Decoder January 2020

- Created a Multi-Modal 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.