

HARSHAVARDHAN KUTHADI

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Education

Arizona State University

Expected Graduation: May 2026

Master's in Computer Software Engineering

AZ, USA

- GPA: 3.89
- Courses: Foundations of Software Engineering, Intro to Programming Languages, Software Requirements and Spec, Adv Data Structures and Algorithms, Operating Systems, Software Project Process and Quality Management

National Institute of technology Karnataka

May 2022

Bachelor's in Electronics and communications engineering

KA, India

Technical Skills

Languages: Python, SQL, HTML5, CSS, JavaScript, C, C++, C#, Solidity

Developer Tools: AWS, Postman, Jenkins, Azure, Docker, Jira, Figma, MATLAB

Libraries/Frameworks: ReactJS, MS SQL, NodeJS, Kendo UI, Pytorch, jQuery, .NET, Jasmine

Work Experience

O9 Solutions, Inc.

Jul 2022 – Jul 2024

Software Development Engineer

Bengaluru, India

- Developed **UIs** for supply chain tools using **JavaScript**, **jQuery**, integrating Git for version control and visualizing complex supply chain data.
- Built a responsive grid for merging and resolving Git conflicts, leveraging **Kendo UI** and **.NET Core**, enhancing workflow efficiency for platform users.
- Created and managed various end-to-end full-stack modules using **.NET Core**, **C#**, **MSSQL**, and **Azure DevOps**, improving Git repository and branch accessibility with user-specific edit permissions.
- Led development lifecycle phases, using **Jasmine** and **MSTest**, ensuring 30% test coverage and reducing bug reports during the QA phase.
- Refactored unit tests written in **JavaScript** with Jasmine, reducing the codebase by 10,000 lines and significantly improving system robustness and test execution time.
- Fixed over **200 bugs** across the platform written in **C#** and JavaScript, ensuring seamless functionality and enhancing user satisfaction.
- Drafted release notes, bug reports and Concept of Operations to capture operational requirements and track updates.

OpenNets

Apr 2021 – Jun 2021

Software Development Intern

Bengaluru, India

- Developed a versatile network simulator tool using **Mininet**, **Node.js**, and **MongoDB** to enhance network design and testing capabilities.
- Simulated network topologies with Mininet, enabling comprehensive traffic testing and evaluation of network performance under various configurations.
- Collaborated on product development with engineers, utilizing Git and Agile methodologies to deliver iterative improvements and ensure product alignment with user needs.

Projects

Senti Chat — real-time sentiment analysis chat:

Jun 2024 - Aug 2024

- Developed SentiChat, a real-time sentiment analysis chat application using React.js. Designed a responsive UI with React.js, optimized performance through server-side rendering with **Next.js**, and implemented real-time messaging via **Pusher**. Integrated sentiment analysis APIs on the backend using **Express.js**, enabling instant feedback on user inputs.

Notes App:

May 2024 - Jun 2024

- Built a full-stack notes app using **React** and **Django** with a responsive UI and RESTful APIs for seamless note management. Ensured scalability and maintainability through modular architecture and efficient state management.

Image Restoration of Natural Images:

Aug 2021 - Nov 2021

- Developed an image restoration project focused on de-raining natural images in **Python** using **PyTorch** created a CNN-based encoder-decoder network, with ORSNet applied in the final stage.