

Shradha Hirve

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GitHub: github.com/hirveshradhaa | Portfolio: hirveshradhaa.github.io

SUMMARY

Experienced Full Stack Developer with **over 4 years** of expertise in software application development across diverse domains. Eager to contribute to impactful projects that drive results.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, HTML, CSS, C, C++, Java

Frameworks & Libraries: Angular, AngularJS, Vue.js, Bootstrap, Flask, Django, Django REST Framework, Node.js, ReactJS

Databases: MySQL, PostgreSQL, SQL Server, MongoDB

Version Control Systems: Git, GitHub

Tools & Technologies: Docker, JIRA, Postman, Tableau, Power BI

DevOps: CI/CD pipelines, Docker Containers

Core Skills: Object-Oriented Programming (OOP), System Design, Distributed Systems, Data Structures and Algorithms, Linux

WORK EXPERIENCE

Florida State University | Graduate Teaching Assistant, Tallahassee, USA

Aug 2024 - Present

- Conducting **Python** lab sessions for students, grading assignments, and collaborating with faculty to enhance course outcomes

Biglab | Software Engineer, Tallahassee, USA

Aug 2024 - Present

- Leading a cancer research project to develop a full-stack application using **Angular 17, Typescript, and Python**, integrating **RESTful APIs** built with **Django** to efficiently process cancer data and enhance diagnostic accuracy by 28%
- Crafting **MongoDB** queries to efficiently extract, organize, and manage cancer data, improving integration efficiency by 20%

Cognizant | Programmer Analyst, Pune, India

May 2022 - Jul 2023

- Developed a web application using **Angular 9, Typescript, Python, and SQL** to enhance healthcare processes by resolving key bottlenecks, boosting decision accuracy by 25%, and reducing manual review time by 20%
- Implemented **UI** modules and resolved production defects by identifying root causes and implementing fixes using **Angular 9, and Typescript**, achieving a 40% improvement in application performance and stability
- Crafted efficient **SQL** queries and stored procedures to streamline healthcare data management, boosting efficiency by 35%

Sonora Software Pvt Ltd | Software Engineer, Pune, India

Mar 2020 - Mar 2022

- Created an app for real-time space data using **RESTful APIs** developed with **Django** and integrated with **Angular 9**, optimizing **SQL queries** for efficient celestial tracking and updates, enhancing space exploration research by 25%
- Built and refined **UI** modules using **Angular 9, and Typescript** utilized **debugging** to diagnose and resolve production defects and delivered effective solutions that enhanced system stability and performance
- Orchestrated **Agile** methodologies to drive team collaboration, achieving an 18% performance improvement, optimizing project delivery using **JIRA and Confluence**, and creating **system design documentation** to improve clarity and scalability

SoftTech Engineers Ltd | Software Test Engineer, Pune, India

Nov 2017 - Apr 2018

- Created test cases and scenarios to validate building proposal file uploads, ensuring alignment with client requirements

EDUCATION

Florida State University, Tallahassee, FL

Aug 2023 - May 2025

Master of Science, Computer Science

VITA, Centre for Development of Advanced Computing, Mumbai, India

Aug 2018 - Feb 2019

Post Graduate Diploma, Advanced Computing

University of Pune, Pune, India

Aug 2013 - May 2017

Bachelor of Engineering, Computer Engineering

ACADEMIC PROJECTS

- **Karma Framework Optimization:** Enhanced a C++ based Karma framework, boosting resource utilization by 40%, improving system scalability, and ensuring operational fairness
- **InfiniBand Word Count System:** Engineered a GDHT in C++ with **InfiniBand**, boosting word counting efficiency by 65%