

# Shradha Hirve

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## SUMMARY

Full Stack Developer with over **4 years** of experience in software application development across various domains. Seeking to apply expertise in building efficient systems and contributing to projects that address complex challenges and deliver results.

## TECHNICAL SKILLS

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

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

**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 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, 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**, 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**, 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 upload functionality in a web application for building plan approvals, ensuring alignment with client requirements through detailed functional documentation

## 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% and ensuring fairness
- **InfiniBand Word Count System:** Engineered a GDHT in C++ with **InfiniBand**, boosting word counting efficiency by 65%
- **PolyRange Finder:** Constructed a C++ app using kd-trees and ANN, enhancing point-in-polygon search speed by 35%
- **ELIS:** Engineered the ELIS classifier in **C++ and SQL**, boosting time series accuracy by 30% over traditional methods