

Snehal Hansraj

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Profile Summary

Motivated Computer Science master's student with hands-on experience in software development, .NET technologies, and data-driven problem solving. Strong technical skills, quick learner, and able to work independently or in teams. Looking for a Working Student position to apply my skills, support ongoing projects, and gain industry experience.

Education

Rheinland-Pfälzische Technische Universität Kaiserslautern-Landau, MS in Computer Science Oct 2024 – Present

Coursework: Data Science, Intelligent Systems, Visualization and Scientific Computing, Generative AI

Savitribai Phule Pune University, Bachelor in Computer Engineering Aug 2018 – May 2022

GPA: 1.52

Coursework: Machine Learning, Data Structures and Algorithms, DBMS, Operating Systems. Honors in Artificial Intelligence.

Experience

Software Engineer, Persistent Systems Limited – Pune, India June 2022 – March 2024

- Worked with C#.NET, Python, ASP.NET MVC, HTML, CSS, SQL, and JavaScript to develop secure and scalable solutions.
- Implemented feature upgrades, manual testing, validation and modifications based on evolving client requirements, ensuring alignment with business goals.
- Enhanced and optimized existing application codebases, improving performance, stability, and maintainability.
- Executed end-to-end test flows across web applications and ensured expected functionality in real-world usage scenarios.
- Contributed to .NET modernization projects by upgrading legacy systems and ensuring smooth deployments across DEV, QA, and PROD environments.
- Collaborated closely with QA engineers and developers to validate fixes, test improvements, and optimize existing workflows.

Intern, Persistent Systems Limited – Pune, India Jan 2022 – Jun 2022

- Gained hands-on experience with C#, ASP.NET, ADO.NET, WCF, Windows Services, Web APIs, Entity Framework, Microservices, and Agile tools such as Jira.
- Learned end-to-end software development lifecycle and modern enterprise development practices.

Awards

Bravo Team Awards, Persistent Systems Limited Jun 2023

Certifications

Microsoft Certified: Azure Fundamentals (AZ-900) Jul 2022

Projects

Portfolio Website Github

- Designed and developed a personal portfolio website using React to showcase skills, projects, and professional experience.
- Implemented dark/light theme switching and multilingual support (English/German).

- Structured content following German CV and recruiter expectations with a clean, responsive layout.

.NET framework upgradation and enhancements (Persistent Systems Ltd.)

- Upgraded 100+ applications from legacy .NET Framework versions to .NET 4.8, ensuring compatibility and improved performance.
- Conducted thorough unit testing of each application to guarantee code quality and stability.
- Built, deployed, and tested applications across DEV, QA, and PROD environments, ensuring seamless integration and functionality.

Breast Cancer Detection Using Image Processing and Deep Learning (BE Project)

- **Role: Team Leader**

The solution intends to provide cancerous cells present in breast tissues using Image processing and predicting the anomalies in breast tissues using Deep learning.

- **Technologies used:**

- Image Processing
- Deep Learning
- Machine Learning

- **Algorithm used:**

- Otsu Algorithm
- K-nearest neighbor
- Convolutional Neural Network

- **Programming Language used:**

- C#
- Python

- **Responsibilities:**

- Requirement gathering and analysis
- Designing and Implementation
- Manual Testing
- Mentor communication and Team support

Key Skills

Core Skills: Python, C++, C, C#, SQL, JavaScript, React, HTML, CSS

Technologies: .NET, Microsoft SQL Server

Tools: Jira, Git, Web Debugging Tools, MS Excel, PowerPoint, Azure

Language

English: C1 level

German: A2 level