

# Snehal Hansraj

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## Profile Summary

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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

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

**Coursework:** Data Science, Intelligent Systems

**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

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**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 and modifications based on evolving client requirements, ensuring alignment with business goals.
- Enhanced and optimized existing application codebases, improving performance, stability, and maintainability.
- Contributed to .NET modernization projects by upgrading legacy systems and ensuring smooth deployments across DEV, QA, and PROD environments.

**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

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**Bravo Team Awards, Persistent Systems Limited** Jun 2023

## Certifications

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

## Projects

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### .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

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

**Technologies:** .NET, Microsoft SQL Server

## Language

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**English:** C1 level

**German:** A2 level