

# Sneha Jana

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## SUMMARY

Tech enthusiast with expertise in Artificial Intelligence, Machine Learning, Python, C++, and Cloud Platforms. Skilled in building intelligent systems and applying data-driven solutions to real-world challenges. Adaptable, quick to learn, and focused on delivering innovative and impactful results.

## ACHIEVEMENTS AND EXTRACURRICULAR

Secured certifications in Cloud Computing, AI, and Software Engineering (AWS, Oracle, Microsoft, Cisco, Hacker-Rank); participated in coding challenges and hackathons on Hacker-Rank and Leet-code; and volunteered in organizing tech events and seminars at SRM Institute of Science & Technology.

## PROJECTS

### Segmentation and Visualization of Flooded Areas Using Sentinel-1 Images and U-Net

Developed a flood detection model using Sentinel-1 SAR imagery and U-Net for pixel-level segmentation. Designed preprocessing techniques to clean raw satellite data, achieving reliable outputs in all weather and lighting conditions. Strengthened skills in semantic segmentation, geospatial data analysis, and AI for climate resilience.

### A Novel Deep Learning Model to Classify High-Grade, Low-Grade Glioma

Built a brain tumor classification system using EfficientNet-B3 with FFT preprocessing, improving recognition of subtle texture patterns in MRI scans. Applied advanced regularization techniques for stability and generalization. Gained strong expertise in biomedical AI, deep learning, and medical imaging applications.

## EDUCATION

2025	<b>B.Tech in Computer Science and Engineering (AI-ML)</b> SRM Institute of Science and Technology, Chennai	CGPA: 7.1/10
2021	<b>Class XII (CBSE)</b> Puna International School	Percentage: 83
2019	<b>Class X (CBSE)</b> Udgam School for Children	Percentage: 82

## CERTIFICATIONS

<b>Certifications</b>	AWS Academy Graduate — Oracle Cloud Infrastructure 2024 — Cisco CCNA — Java Basics — Problem Solving – Hacker-Rank — Microsoft Certified: Fin-Ops on Azure — Microsoft Certified: Analytics with Fabric — Microsoft Certified: Copilot in Power BI
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## TECHNICAL SKILLS AND INTERESTS

<b>Languages</b>	C, C++, Python, HTML, CSS
<b>Developer Tools</b>	Visual Studio Code, Jupyter Notebook, Microsoft Office
<b>Cloud / Databases</b>	Oracle Cloud, MySQL, AWS Academy
<b>Core Skills</b>	Data Analysis, Machine Learning, Artificial Intelligence, IoT, Data Structures and Algorithms, Object-Oriented Programming, Front-end Web Development, Operating Systems, Computer Networks, Software Engineering, Problem Solving