

Soumyashis Sarkar

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Objective

Aspiring ML engineer with a strong foundation in computer vision, neural networks, and data science. Experience in building projects in collaborative teams. Passionate about tying together diverse fields with the help of CS.

Education

BTech (Computer Science and Engineering), VIT Bhopal University Expected May 2026
CGPA: 8.59/10

Skills

Programming Languages	Python, Java, C, C++, HTML, CSS, JavaScript, SQL
Frameworks/Libraries	TensorFlow, PyTorch, BigQuery, RESTful APIs, MongoDB
Tools	AWS, GCP, QGIS, ArcGIS

Experience

Jr. ML Engineer Apr 2023 – Present
Omdena VIT Bhopal Chapter

- Collaborated with 40+ team members in multiple projects
- Supported the creation and optimization of data pipelines for AI models
- Participated in various machine learning projects within the Omdena community.

Projects

Bhopal BRTS Chatbot Project Oct 2024 – Nov 2024

- Led research and data collection, managing a sub-team of 25+ members.
- Integrated collected data into a RAG model for dynamic, domain-specific query handling.
- Implemented geospatial computations (Haversine formula, OSRM API) for routing.

Urban Green Space Mapping with Remote Sensing, Frankfurt Nov 2024 – Ongoing

- Designed annotation categories (3-class vs. 5-class) to enhance data granularity.
- Trained a Mamba model using diverse datasets for accuracy improvement.
- Experimented with U-Net and deep clustering techniques for optimized results.
- Collaborating with 25+ members worldwide on deployment.

Leadership and Extracurricular Activities

Artificial Intelligence Club, VIT Bhopal Aug 2023 – Present

- Spearheaded content & outreach campaigns for club's flagship event, driving participation and engagement.
- Connected with tech experts, securing speakers for workshops and keynotes.
- Strengthened the club's industry network and visibility through strategic outreach.

Certifications and Additional Information

Certifications: IBM AI Engineering (Coursera), Cloud Computing (NPTEL)

Languages: Hindi, English, Bengali (Fluent); Marathi (Conversational)