

Soumyashis Sarkar

Bhopal, Madhya Pradesh

8369994800 | soumyashissarkar362@gmail.com

LinkedIn: <https://www.linkedin.com/in/soumyashis-sarkar/> | GitHub: <https://github.com/Chitragupta16>

Education

VIT Bhopal University

Bhopal, MP

Bachelor of Technology in Computer Science and Engineering

Oct 2022 – Aug 2026

– CGPA: 8.46/10.0

Work Experience

Machine Learning Intern

July 2024 – Apr 2025

Omdena

Remote

- Led team of 5 members in Bhopal BRTS chatbot development, collected 300+ route data points via scraping/manual methods, deployed Streamlit app
- Implemented geospatial routing algorithms using Haversine formula and OSRM API; built RAG pipeline with LangChain and Gemini API for dynamic query responses
- Collaborated with 15+ international engineers on Frankfurt green space mapping using Sentinel-2 imagery and VM-UNet architecture

Projects

Interactive Graph Algorithm Visualizer | JavaScript, HTML5 Canvas, CSS, Algorithms

Aug 2025

- Built web app visualizing 7 graph algorithms (BFS, DFS, Dijkstra, A*, Bellman-Ford, Prim, Kruskal) with custom graph input and step control
- Developed responsive UI with HTML5 Canvas rendering, pause/reset, and dynamic node highlighting for educational visualization

Power BI Accident Analysis Dashboard | Power BI, Data Visualization, Analytics

May 2024

- Created interactive dashboard analyzing accident data for IISc Bangalore; transformed raw public data into visual insights for decision-making
- Demonstrated dashboarding skills transferable to sales pipeline tracking, deal health monitoring, and leadership reporting

Workflow Automation using n8n | n8n, Automation, Google Sheets, Slack

Aug 2025

- Built automation to capture new leads from Google Sheets and trigger Slack + email notifications, reducing manual follow-up effort
- Demonstrated ability to design workflow automations for productivity scaling and operational efficiency

Urban Green Space Mapping using VM-UNet | Python, PyTorch, CUDA, Docker

Dec 2024 – Mar 2025

- Adapted VM-UNet architecture for Sentinel-2 satellite imagery segmentation; improved F1-score to 82% and accuracy to 77.4%
- Built training pipeline with PyTorch + CUDA, deployed on Google Colab using Dockerized setup

Certifications

NPTEL – Marketing Analytics

May 2025

Certification

Online

- Learned customer segmentation, campaign performance evaluation, and ROI analysis relevant to marketing research and strategy support

Technical Skills

Programming Languages: Python, Java, SQL, JavaScript

Frameworks: PyTorch, TensorFlow, Node.js

Tools: Git, VS Code, Kaggle, AWS, Docker, Power BI, n8n

Extracurriculars

- Finalist at Smart India Hackathon 2024 with gamified Indian Constitution educational platform
- PR & Outreach Member, AI Club, VIT Bhopal
- Team Lead, Freelancing Club, VIT Bhopal