

# MUDITMAYANK MISHRA

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Mumbai, Maharashtra, India

## Education

### VIT Bhopal University

Bhopal, Madhya Pradesh

Bachelor of Technology in Computer Science & Engineering

Expected June 2026

- CGPA: 8.36/10.0
- Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming, Database Management

## Experience

### Remote Sensing and GIS Intern

July 2025 – August 2025

India Space Academy

New Delhi, India

- Completed four-week internship focusing on Remote Sensing and Geographic Information Systems (GIS)
- Worked on project: "Mapping Water Bodies using NDWI" utilizing NDWI derived from multi-spectral satellite imagery
- Enhanced visibility of rivers, lakes, and reservoirs while minimizing impact of vegetation and built-up areas
- Demonstrated strong analytical acumen, coding proficiency, and effective problem-solving abilities

### Agnirva Space Internship Program

Remote

Space Technology Intern

Completion: September 2025

- Successfully completed The Agnirva Space Internship Program encompassing approximately 440 steps and spanning around 80 hours across an 8-week period
- Consistently exhibited diligence while acquiring broad array of knowledge and skills in space technology and applications
- Program recognized by AICTE demonstrating commitment to high-quality space education and training

## Projects

### Urban Heat Island Detection System | Python, Flask, Google Earth Engine, Machine Learning

2025

- Developed full-stack geospatial application to detect Urban Heat Island effects in Bangalore and Delhi using satellite data analysis
- Processed satellite data including Land Surface Temperature (LST), NDVI, and land use patterns using Google Earth Engine for comprehensive climate analysis
- Built machine learning model for UHI prediction and deployed interactive web application with Flask backend for real-time analysis

### CommuteCare Project (BARC) | Web Development

2024

- Developed comprehensive web application to report and track transport-related incidents including accidents, refusals, and overcharging
- Created incident reporting system for improved transport safety and accountability with user-friendly interface
- Implemented database management system for efficient storage and retrieval of incident reports

## Certifications

IBM Cyber Security Analyst (CECSAIIIN) – IBM Career Education Program

Advanced Software Engineering Job Simulation – Forage

C++ Programming Mastery – Udemy

Applying Data Analytics in Finance – University of Illinois (Coursera)

The Bits and Bytes of Computer Networking – Coursera (20.5 hours)

## Technical Skills

**Programming Languages:** Python, Java, C++, JavaScript, HTML/CSS

**Frameworks & Libraries:** Flask, Google Earth Engine, Machine Learning Libraries

**Tools & Technologies:** Git, Database Management, Web Development, Geospatial Analysis

**Specialized Skills:** Cybersecurity Analysis, Remote Sensing, GIS, Urban Heat Island Detection

## Additional Information

**Sports:** Football & Badminton Player

**Languages:** English, Hindi (Native)

**Core Strengths:** Cybersecurity Analysis, Problem-Solving, Geospatial Analysis