Muditmayank Mishra

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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

Academic Projects

Urban Heat Island Detection System | *Python, Flask, Google Earth Engine, ML*   **2025**
- Developed full-stack geospatial application to detect and predict Urban Heat Island effects in Bangalore & Delhi
- Leveraged **Google Earth Engine** to process satellite data (LST, NDVI, land use) for real-time climate analysis
- Built **machine learning model** for UHI prediction using open-source satellite datasets and geospatial algorithms
- Deployed interactive web application using **Flask backend**, Leaflet.js for dynamic mapping, and Chart.js for data visualization

Multilingual Language Processing System | *Android Club R&D Cell*   **July 2023**
- Participated in community project on multilingual language processing system development
- Gained foundational knowledge in natural language processing

Technical Skills

Programming Languages: Python , C++, MATLAB (Basic), JavaScript, HTML, CSS
Development Tools: Google Earth Engine, Machine Learning, Git, Visual Studio Code, Code Blocks
Areas of Interest: Cybersecurity, Web Development, Data Science
Soft Skills: Team Collaboration, Research Methodology, Technical Documentation, Analytical Thinking

Certifications & Achievements

IBM Cyber Security Analyst | *IBM Career Education Program*   **April 2025**
- Completed comprehensive cybersecurity analyst training through IBM Developer Skills Network
- Gained expertise in threat assessment, security analysis, and enterprise risk management frameworks
- Hands-on experience with IBM security tools and industry-standard cybersecurity practices

Mathematics for Data Science Workshop | *SCSE & SASL, VIT Bhopal*   **July 2023**
- Completed 5-day intensive workshop on mathematical foundations for data science applications
- Learned essential mathematical concepts including statistics, linear algebra, and probability theory
- Gained practical experience in applying mathematical principles to real-world data science problems

Android Series 2.0 - Android Architecture | *Android Club VIT Bhopal*   **June 2023**
- Learned basic Android development concepts, UI design principles, and app structure
- Gained foundational knowledge in mobile application development through hands-on exercises

Additional Technical Certifications   **2022 – 2024**
- **Cloud Computing Certification** - NPTEL (2024)
- **Python Programming** - HackerRank (October 2023)
- **The Bits and Bytes of Computer Networking** - Google (2023)
- **C++ Essentials Course** - LinkedIn Learning (2023)

ACTIVITIES

Sports & Personal Development

Football & Badminton Player

- Developed strong teamwork, strategic thinking, and leadership skills through competitive sports
- Maintain keen interest in current affairs and world politics, staying updated with global tech trends

Additional Information

Languages: English, Hindi (Native)
Core Strengths: Cybersecurity Analysis, Threat Assessment, Continuous Learning, Analytical Problem‑Solving