Atharv Ved Rai

Roll No.: 22BAI10310
Bachelor of Technology
VIT Bhopal University, Sehore

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EDUCATION

- **Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Machine Learning)** *2022-26*
  VIT Bhopal University, Sehore

PROJECTS

- **TypoTracker – Typing Test Website**
  Contributing to the development of TypoTracker, a typing test platform, using Python.
  - Implemented features for tracking user progress, customizing themes.
  - Enhancing typing speed analysis. Focused on backend development and performance optimization.
  - Technology Used: Python, Reactjs.
- **DeepFake Detection Project**
  Developed a deep learning-based system to identify AI-generated synthetic images.
  - Preprocessed large-scale datasets and managed metadata using SQL.
  - Assisted in training deep learning models for fake image detection using Python.

EXPERIENCE

- **India Space Lab Winter Internship** *Dec 2024 - Jan 2025*
  Internship on advanced technologies in space education and research. Online
  - Experience through modules on Advanced Drone Technology (Air Taxi), CanSat and CubeSat development, and an Astronomy Training Program.
  - Participated in Space Entrepreneurship Sessions, enhancing knowledge of business aspects in the space sector.
  - Engaged in project work involving technology and official tasks, furthering skills in satellite technology and innovation.

TECHNICAL SKILLS AND INTERESTS

Languages: Java, Python, HTML
Libraries : Python Libraries, ReactJs
Web Dev Tools: VScode, Git, Github
Frameworks: ReactJs
Cloud/Databases: MongoDb, Relational Database(mySql)
Relevent Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.
Areas of Interest: Web Design and Development, Cloud Security.
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability
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CERTIFICATES

- **MATLAB Onramp (2022)** – Certified by MathWorks for basic MATLAB programming skills
- **Simulink Onramp (2022)** – MathWorks certification for foundational Simulink modeling skills.
- **Python Essentials (2023)** – Completed a comprehensive Python training program by VITyarthi
- **Applied Machine Learning in Python (2024)** – An online non-credit course authorized by University of Michigan and offered

POSITIONS OF RESPONSIBILITY

- **Leader of Social Media Team** FinTech Club - VIT Bhopal *Oct 2022 - Present*
  * Shot, directed and edited short form videos.
  * Helped organize workshops, hackathons, and annual festival events.
  * Managed social media account to promote events, upload content and increase reach and engagement.
  * Assisted in setting strategic goals and yearly objectives.