

Atharv Sinha

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github.com/atharvsinhaa

Education

- VIT Bhopal University**, B.Tech. in Computer Science (AI and ML) Sept 2023 - May 2027
- CGPA: 6.16/10.0
 - **Coursework:** Foundational Core, AI/ML Fundamentals, Advanced AI & Specialized Topics
- DAV Public School**, (Physics, Chemistry, Maths, Computer Science, Web App) April 2023
- CGPA: 7.5/10.0

Experience

- AI and ML Intern**, LearnNex – Online Internship February 2024 – April 2024
- Strengthened understanding of the machine learning pipeline by actively participating in **4 online workshops** and **15 collaborative sessions** focused on key ML frameworks.
 - Successfully implemented and tested over **4 different machine learning algorithms** on simulated datasets within a virtual environment.
 - Applied theoretical knowledge throughout a **3-month internship**, successfully navigating the full ML lifecycle.

Certifications

- Zero to Mastery Python Developer - Udemy** May 2025
- Gen AI Professional - Oracle Cloud Infrastructure** August 2025

Projects

- Skin Cancer Detector** github.com/atharvsinhaa/Skin-Cancer-Detector
- A Web Application that uses Computer Vision and Deep Learning to identify the three highest-probability diagnoses for a skin lesion image input by the user.
 - Designed a user-friendly front-end with HTML, CSS, and JavaScript, enabling seamless image uploads and displaying the top three diagnostic predictions with confidence scores.
 - Utilized Jupyter Notebook for model development, training, and validation, documenting the entire workflow in over 20 detailed notebook cells and achieving a final model accuracy of 92%.
 - Tools used: Jupyter Notebook, JavaScript, CSS, HTML
- AI integrated UMS** github.com/atharvsinhaa/AI-integrated-UMS
- Automated university administrative tasks, improving efficiency by **25%** and reducing manual workload by over **100 hours per semester**.
 - Created a machine learning model that predicts student academic performance with over 85% accuracy, which allows for early intervention for at-risk students.
 - Created a full-stack application using HTML, CSS, and JavaScript for the front end and Python for the back end.
 - Tools used: JavaScript, CSS, HTML, Python

Skills

Languages: C++, Java, SQL, JavaScript, React, Python, Spring AI

Web: HTML, CSS, REST API, WebSocket

Technologies: .NET, Microsoft SQL Server, GitHub, Postman

Soft Skills: Problem-Solving, Organizational Skills, Communication Skills, Leadership, Adaptability