

Aditya Barhate

91+ 7410117984 | adityabarhate18@gmail.com | www.linkedin.com/in/aditya-barhate-6439272b3 | <https://github.com/adiiiii19>

EDUCATION

Bachelor of Technology (Artificial Intelligence and Machine Learning) <i>Datta Meghe Institute of Higher Education and Research</i>	Wardha, MH Oct 2022 – May 2026
HSC Board <i>New English Junior college</i>	Wardha, MH July 2022
SSC Board <i>Yashodeep Convent School</i>	Wardha, MH March 2020

EXPERIENCE

Chairperson <i>IEEE Student Branch</i> <ul style="list-style-type: none">Steering technical initiatives and intercollege events to promote innovation.	July 2024 - Present <i>FEAT, DMIHER</i>
Python Developer <i>Arohi Software & Development</i> <ul style="list-style-type: none">Automating data workflows with Python, enhancing efficiency and scalability.	July 2024 – Oct 2024 <i>Shrigonda, MH</i>
Co-Founder <i>Apna IIT</i> <ul style="list-style-type: none">Empowering non-IITians with career resources and skill-building opportunities.	<i>Shegaon, MH</i>
Management Lead <i>Google Developer Students Club DMIHER</i> <ul style="list-style-type: none">Driving engagement through large-scale events and strategic team management.	Oct 2023 - Oct 2024 <i>Wardha, Maharashtra</i>

PROJECTS

Oral Cancer Detection Using CNN <i>Python, TensorFlow, Keras, Matplotlib, NumPy</i> <ul style="list-style-type: none">Built a convolutional neural network (CNN)-based model for early detection of oral cancer, achieving high accuracy in image classification of biopsy samples.
Electronic Nose Using Various Sensor Arrays <i>Arduino, Python, Sensor Modules, Pandas, NumPy, Scikit-learn</i> <ul style="list-style-type: none">Developing a prototype integrating MQ-series gas sensors (MQ-2, MQ-4, MQ-5, MQ-6, MQ-135) for odor detection, coupled with machine learning for data analysis.
Portable Dialysis Machine Using Microfluidics <i>Microfluidic components, Arduino, C++, Semi-Permeable Membrane</i> <ul style="list-style-type: none">Designed a cost-effective microfluidic-based portable dialysis system for patients with limited access to healthcare facilities.

TECHNICAL SKILLS

Languages: Python, HTML/CSS
Frameworks: Flask
Developer Tools: Git, GitHub
Libraries: Pandas, NumPy, Matplotlib, Tensorflow, Seaborn
Healthcare Hardware: Sensors, Embedded Systems, IoT, OpenCV