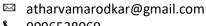# Atharva Marodkar

Final year student, Department of Mechanical Engineering,
Visvesvaraya National Institute of Technology, Nagpur
Portfolio Website

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📞 9096538069

Academic Qualifications

Year	Degree/Certificate	Institute	CGPA/%
2020 - Present	B.Tech in Mechanical Engineering	Visvesvaraya National Institute of Technology, Nagpur	8.46/10
2020	Class XII (HSC)	Dr. Ambedkar College, Nagpur	91.85%
2018	Class X (SSC)	Sanjuba Highschool, Nagpur	94.6%

Technical skills

Programming: C/C++, Python, Data Structures and Algorithms, AI, Machine Learning
Web Development: HTML, CSS, JS, Bootstrap, React JS, GIT, Nodejs, Express, Heroku
Database Management: Excel, SQL, MongoDB, Power BI

Experience

- **Summer Intern at Mahindra & Mahindra Ltd.**   **May 2023 – June 2023**
  I worked at Mahindra & Mahindra, Farm equipment plant, Nagpur in the Engine Section. As a mechanical engineering intern, my responsibilities in the plant were to take daily, weekly and monthly audits of various machinery in the plant. As a part of my internship project, I also suggested and implemented some ergonomic changes in the manufacturing process of the Engine which made it easy for operators to work. A major change was installing a Vision System in the Piston - Connecting rod sub-assembly for detection of circlip.

- **Web Development Intern at Scopewit**   **May 2022 – July 2022**
  Scopewit is a startup that deals in web development, Devops Development and consultation. I worked on a live project to develop a dynamic and responsive website for a small business using React JS , NodeJS and Express Frameworks.

Projects

Blind Assistance System - Developed a working AI/ML model which helps blind people in the problems they face in everyday life. It consists of Object/Obstacle detection, Face Recognition and Text recognition modules; developed with help of OpenCV and various python libraries.

Personalized Chat Bot : Developed an innovative personalized chat bot using WhatsApp data, leveraging Pinecone for vector similarity search and personalization, Langchain for language model-powered applications, and OpenAI GPT for generating user-specific messaging style responses.

Quiz App - Developed a quizzing website purely with help of HTML, CSS and JavaScript which fetches trivia questions from Open Trivia DB API; saves player's highest scores in local Storage; displays a progress bar; dynamically generate HTML in JavaScript.

Air Doodle - With Air Canvas we can draw anything on it by just capturing the motion of a coloured marker with camera; a coloured object at tip of finger is used as the marker. Computer vision techniques of OpenCV is used to build this project. Colour Detection and tracking is used in order to achieve the objective.

Positions of Responsibility

- **Core Co-ordinator at AXIS, VNIT – Technical fest of VNIT**   **June 2022 – June 2023**
  I was the Sponsorship head of the fest, brought a total amount of Rs. 20,00,000/- for the fest with a team of 4. I worked on relations with many companies like HCL, WCL, ONGC, SBI, GFG, Times Of India, Streax and many more. I had responsibility of planning and executing the overall 3-day fest consisting of 35 events, 8 Guest lectures, 10 Exhibitions and 2 Proshows.

- **Organizer at Aarohi, VNIT – Cultural fest of VNIT**   **October 2022 – November 2022**
  I was involved in planning and management of the 3-day Cultural Fest of VNIT, which had around 15+ events and is the Central India's Largest Cultural fest. I also handled the "Foodiestan – The food fest at Aarohi", I was the person of contact for all the vendors.

Interests

- Represented Cricket club at various district and state level tournaments.
- Captained School Basketball team.
- Regular participation in crypto and stocks trading contests.