Aditya Raut

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EDUCATION

AISSMS Polytechnic   Pune, Maharashtra
Diploma in Computer Engineering: 92.73%   *Aug. 2019 – June 2022*

AISSMS Institute of Technology   Pune, Maharashtra
B.E. in Computer Engineering   *Nov. 2022 – June 2025*

EXPERIENCE

Project Intern   February 2024 – Present
Automotive Research Association of India, Pune
- Developed a comprehensive website using ASP.NET in C# and integrated Microsoft SQL Server as database.
- Used GitHub for version control and project management.
- Implemented data analytics and visualization features to showcase key metrics related to organizational work.
- Followed the Software Development Lifecycle (SDLC) for structured and efficient development
- Utilized ASP.NET, C#, Microsoft SQL Server, data analytics, and GitHub in a professional setting.

PROJECTS

Sign Language Interpreter | *Python, TensorFlow, OpenCV*   May 2022
- Developed a Sign Language Interpreter for static signs
- Implemented TensorFlow and OpenCV for real-time detection of signs
- Constructed our own database for the static signs used such as "Hello", "Help", "Thank You", etc
- Published an implementation paper related to this project in the International Journal of Innovative Research in Computer and Communication Engineering, Volume 10, Issue 5, May 2022. DOI: 10.15680/IJIRCCE.2022.1005026

BeMyEyes, App for the visually impaired | *Java, XML, Android*   May 2023
- Developed an Android application for the visually impaired to use based on Speech-to-Text API and gesture controls
- Main feature being the OCR, where any text written would be scanned and read out using the Text-to-Speech
- Other feature included location, weather indication, battery indication, time & date, calculator

SKILLS

Technical Skills: Java, Python, C/C++, SQL, ASP.NET, C#
Spoken Languages: English, Hindi, Marathi

ACTIVITIES & VOLUNTEERING

Machine Learning Member | *Google Developer Student Clubs, AISSMS IOIT*   August 2023 - May 2024
- Conducted multiple workshops and events related to the fascinating world of Machine Learning and Google technologies

Technical Head | *Computer Engineering Student Association, AISSMS IOIT*   August 2023 - May 2024
- Responsible for creating, conducting and managing technical events on behalf of the Computer Department of AISSMS IOIT

Design Team Member | *GeeksForGeeks Student Chapter, AISSMS IOIT*   August 2023 - May 2024
- Designed multiple poster and flyers using Canva for events held under the GFG AISSMS IOIT Student Chapter

Student Intern | *Lila Poonawala Foundation, The Orchid School*   October 2018 - November 2018
- Taught underprivileged girls the basics of computer, Excel and HTML

PUBLICATIONS

- Published a paper titled: Efficiency Comparison of Dataset Generated by LLMs using Machine Learning Algorithms, in IEEE 2024 International Conference on Emerging Smart Computing and Informatics (ESCI)