**Sahil Murhekar**

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**Summary**

An AI/ML enthusiast specializing in NLP and Deep Learning. Skilled in Python, C/C++, Java, Data Structures, and DBMS. Received training in ML/AI via Udemy and currently serve as the Vice-Chairman of the AI & ML club. Work to foster the tech community. Strong in communication and EDA. Aiming to create impactful AI/ML solutions along with a strong foundation in Software Development.

**Experience**

**Deep Learning Intern (July 24 - Present)**

**Prezitec Health Pvt. Ltd.**

* Mostly focused on computer vision and image processing using deep learning.
* Helped build a product used during injections with SONAR technology.
* Worked on increasing the precision and accuracy of needles.

**Web Developer Intern (Jun 24 - Jul 24)**

**24buy7**

* Got familiar with web technologies such as Figma and MERN stack.
* Successfully designed and built a fully functional website with backend services.
* Developed a marketing website from scratch.

**Machine Learning Intern (Aug 23 - Nov 23)**

**Wissenaire, IIT Bhubaneswar**

* Worked on innovative projects, refined algorithms for real-life use.
* Gained hands-on experience in exploratory data analysis (EDA) and programming.
* Provided reports of Data Analysis demonstrating verbal and writing skills.

**Skills**

**Programming: C,** C++, Python, Data Structures, MySQL.

**Data Science:** Machine Learning, NLP, Deep Learning, MS Excel, Data Analysis, Database Management,

Scikit-learn, Tensorflow, Meadiapipe, Matplotlib.

**Development:** HTML, CSS, JS, Figma, Django, MERN (Beginner).

**Others:** MS Office, IoT, Git, Github, Linux, Management, Communication, Digital Marketing.

**Projects**

**VisibleVoice.ai(**[**Link**](https://github.com/sahilmurhekar/visiblevoice.ai)**)**

VisibleVoice.ai translates sign language to text and speech in real time. It uses advanced technology to help individuals who are deaf or hard of hearing communicate more easily, promoting inclusion.

**Suffocation Detection Using IoT and Machine Learning** *(patent under process)*

Utilized Arduino, MQ sensors, DHT-11, and Machine Learning to measure air quality and predict suffocation risk at a specific location. Gathered raw data and applied logistic regression for analysis.

**VedAssist(**[**Link**](https://github.com/sahilmurhekar/Vedassist)**)**

The AI project offers personalized ayurvedic advice based on symptoms. Uses advanced algorithms like Ensemble Learning, Neural Nets and a user-friendly interface. Continuously improved for reliability, blending AI with healthcare.

**Volunteering**

**Vice-Chairman (Jan 24 - Present)**

**TAM-VIT, VIT Vellore**

Rapidly advanced from Junior member to Vice Chairman at TAM-VIT in one year. As Vice Chairman, led initiatives, foster innovation, and empower members in AI exploration. Organized events, hackathons, and workshops to share AI/ML knowledge.

**Achievements**

* Contributor in SIH2023 ML project related to Dermatology.
* Reviewed 50+ hackathon projects in multiple hackathons, leading the technical team.
* Participated in DEVSOC22, an international Hackathon.

**Education**

**Higher Secondary Education (July 20 - March 22)**

**BUJCS, Akola, Maharashtra**

*90.00%*

Strong STEM foundation: Math, Physics, Chemistry, Electronics. Advanced problem-solving and scientific reasoning. Fluent in English, written and verbal.

**Bachelor of Information Technology (Sep 22 - Present)**

**Vellore Institute of Technology, Vellore.**

*CGPA: 9.00*

An IT student at VIT, Vellore, studying programming, IoT, Maths, AI&ML, Development, and more. Passionate about technology and pursued hands-on projects for an innovative career.

**Certifications**

Linkedin Certified [*Figma Designer*](https://www.linkedin.com/learning/certificates/2928bd4149573c95aa28b62533a4a385ba27586ce34727bdf19189e17946f060?lipi=urn%3Ali%3Apage%3Ad_flagship3_profile_view_base_certifications_details%3BdqLxXaDPSWGPCkdqPNLR6g%3D%3D), NASBA Certified [*SQL Developer*](https://linkedin.com/learning/certificates/a20272087f7ad86aed137a46c16b42aa3576a3ef15cdb5a81bd3820b63f6dca9), Microsoft Certified [*AI&ML Enthusiast*](https://www.linkedin.com/learning/certificates/570bfdbca1c6500c74b1280ed2c1caf64a83c373e6bab6530520fd3326b0050d), Udemy Certified [*Digimarketer*](https://www.udemy.com/certificate/UC-1695b0e6-fa8c-46ab-a1b8-87973bc90f8c/), [*AI ML Developer*](https://www.udemy.com/certificate/UC-56d623ad-6625-4e1c-a940-595121bc1944/).

**Languages**

English(*Fluent*), Hindi(*Fluent*), Marathi(*Fluent*)