

Vedika Hatolkar

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Education

- **Maharashtra Institute of Technology** Nov 2022 – Present
Bachelor of Technology in Computer Science & A.I ML
(BTech) CGPA: 8.7
- **Vidhyadham High School and Jr. College** Jul 2020 – May 2022
Higher Secondary Certificate (HSC)
Percentage: 76.06 %
- **Podar International School** April 2010 – May 2020
Secondary School Certificate (ICSE)
Percentage: 86.00 %

Technical Skills

Languages	C/C++, Java, Python
Tools/Platforms	Google Cloud Platform, Jupyter Notebook, Google Colab Power BI, Git, TensorFlow, Keras
Web Technologies	HTML, CSS3, PHP, React.js, Flask
Concepts	OOP, DSA, OS, DBMS, Machine Learning, Neural Networks
Databases	Firebase, MySQL, MongoDB

Projects

- 1) **MoodSense (Research Project)** [Web Link](#) (Python, TensorFlow, NLP, speech recognition, Flask, and cloud hosting)
Developed Moodsense AI, a mental well-being assistant using Python, TensorFlow, NLP, speech recognition, Flask, and cloud hosting for multimodal emotion detection, real-time mood tracking, and personalized mental health support.
- 2) **Real-Time Sign Language Detection & Speech Conversion:** (HTML, CSS, Flask, TensorFlow, MediaPipe, OpenCV)
Developed a real-time application that captures live webcam feed, detects sign language gestures, and instantly converts them into natural conversational speech.
- 3) **Spam Email Classifier:** (Python, HTML/CSS, Pandas, Numpy, NLTK, Matplotlib)
Developed a machine learning model in Jupyter Notebook to classify emails as spam or ham, applying NLP techniques and Scikit-learn. Deployed the solution as a web application using HTML, CSS, and Flask for real-time email classification.
- 4) **Caesar Cipher Website:** (HTML, CSS, JavaScript, Flask.)
Designed and developed a responsive web-based tool to encrypt and decrypt text using the Caesar cipher algorithm, enabling secure and user-friendly text transformation.

Experience

- 1) **What's Up E-Magazine:** Editorial Team Head (2025)
Led the editorial team in planning and curating e-magazine content, ensuring alignment with audience interests. Oversaw article writing, editing, while collaborating with creative team to create engaging, visually appealing article.
- 2) **Technophilia 2025:** Coordinator (2025)
Coordinated a national-level departmental event by supporting activity planning, handling registrations, and assisting in on-site event management to ensure smooth proceedings.

Certifications

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| • Artificial Intelligence Learning Path | IBM SkillsBuild | • Data Visualization with Tableau | Infosys Springboard |
| • Power BI Data Analyst - | Microsoft Learn | • Deep Learning with TensorFlow | Infosys Springboard |
| • AI Hackathon | MIT College | • Deep Learning with Keras | Infosys Springboard |