

Adhviklal Thoppe

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#)



Education:

University of Wisconsin-Madison — Madison, WI

Bachelor of Science in Computer Science & Data Science.

Expected Graduation: May 2028

Skills:

- Languages: Python, HTML, CSS, JavaScript, Java, C#.
 - Frameworks/Libraries: React, Node.js, Express.js.
 - Tools: Git, AWS, PostgreSQL, Docker, Unity.
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Experience:

ML Intern | Sourashtra Association | Internship | Jun 2024 - Present

- Showcased AI/ML demo that can be transferred into AI agents built directly into the website using GroqAPI.
- Led development of a RAG-based chatbot for the Sourashtra Association website, enabling users to easily access information through natural language queries.

Youth Mentor | Sourashtra Youth Affairs | Internship | Jun 2024 - Jul 2024

- Taught Python programming to 10-20 young students from the Sourashtra community, focusing on foundational coding skills.
- Guided students through a capstone project, introducing them to external libraries and real-world applications for hands-on learning.

Code Sensei | Code Ninjas | Part-time | Mar 2022 - Aug 2024

- Instructed 10-20 young students in programming with JavaScript and Unity, emphasizing game development and interactive learning.
 - Developed and managed the curriculum, including assignments and grading, to ensure a structured and engaging learning experience.
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Projects:

Wingman: *Comprehensive Event Management Solution* | Full-Stack Developer | Personal | January 2022 – Present

- Independently designed, developed, and deployed a full-stack event management application using React, Node.js, and PostgreSQL.
- Integrated AWS (EC2) for cloud hosting and Docker for containerized deployment, ensuring scalability and reliability.
- Application adopted by a local school district as the official event management tool, receiving recognition from the district superintendent and local government officials.

ML Hand Tracking: *Gesture Recognition* | Python Developer | Personal | November 2021 - February 2022

- Developed a real-time hand tracking model using Python, OpenCV, and Mediapipe for gesture recognition.
- Implemented 21-point landmark orientation techniques to accurately detect and classify multiple hand gestures.
- Enabled custom gesture programming, ensuring high precision in recognition and flexibility for various use cases.
- Showcased at a computer science fair.

Symlenote: *Notes Made Simple* | Full-Stack Developer | Personal | April 2024 - Present

- Developed a minimalist, user-friendly notes app.
 - Prioritized clean design and intuitive functionality.
 - Implemented core features for efficient note creation and organization.
 - Successfully designed and executed a solution that caters to users seeking a streamlined note-taking experience.
 - Link: <https://symlenote-web.vercel.app>
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