

VISHNU SHARMA

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EDUCATION

B.S. Computer Science, Jefferson Scholars Certificate in Core Texts and Ideas Aug 2025 – May 2028
University of Texas at Austin

- Activities: Longhorn Rocketry Association, Texas Aerial Robotics, ECLAIR, Central Texas Model UN

Montgomery High School Sep 2021 – Jun 2025

- Awards: 1600 SAT, 1520 PSAT, Kite Hacks Hackathon Winner (SafeSpace), US Congressional App Challenge Winner (WildBlue), MontyHacks 2nd Place (MarcoPolo)
- Activities: Aerospace Club Secretary, Rocketry Captain, Academic League Board Member, Youth and Government Cabinet

TECHNICAL SKILLS

- **Frameworks/Technologies:** NodeJS, ReactJS, HTML5/CSS/JS, Java, Python, Matlab, SciKit, Keras
- **Concepts:** Git, Agile, Backend, Frontend, Machine Learning, AI, OOP, Basic Control Theory, CAD

EXPERIENCE

Research Assistant Jun 2024 – Sep 2024
Baim Institute for Clinical Research

- Prepared and analyzed Enhanced External Counterpulsation dataset with Dr. Korjian
- Evaluated EECF effectiveness and co-published abstract in European Society of Cardiology journal

Software Development Intern Feb 2024 – Aug 2024
Ziptyne

- Designed ReactJS Workday-like environment to improve client onboarding trust
- Used Kanban Agile and Figma mockups to deliver website on schedule; awarded best team of two

Coding Instructor May 2022 – Mar 2024
Code Ninjas

- Taught Scratch and Javascript to kids, graded projects, managed student advancement

Software Development Intern Dec 2020 – Dec 2021
SeekerPitch

- Programmed REST API endpoints, PostgreSQL triggers, schema-based storage, and ReactJS web pages
- Integrated Google Cloud, Twilio, AWS Elastic Beanstalk, and Firebase for core functionality

Delegate Jun 2024 – Jul 2024
Conference on National Affairs

- Presented tax reform proposal as part of group of 20 selected from 500 NJ participants

VOLUNTEERING

Director of Machine Learning Jun 2022 – Nov 2022
Neuracode

- Developed introductory Python and ML courses, created intermediate Keras curriculum
- Managed curriculum and collaborated with directors to benefit 200+ enrolled students

Teaching Assistant Sep 2021 – Jun 2025
Montgomery Hindi School

PROJECTS

MarcoPolo May 2025

- Integrated Gemini AI and Google Maps API in ReactJS to generate location-based quests
- Measured user task completion using MongoDB and Firebase login

SafeSpace Jun 2024

- Built Discord bot with automated moderator tools against bullying
- Designed AI model using SciKit and Python on online bullying dataset

Troop 46 Times Mar 2024

- Led team to build fullstack Troop 46 Times website using Express.js, React, MongoDB
- Enabled troop collaboration and virtual publishing

Code to Comments Dec 2021 – Jan 2022

- Created VSCode extension with 800+ downloads using OpenAI Codex for comment generation