

Shashwat Krishna

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EDUCATION

Michigan State University

Bachelor of Science, Computer Science and Adv. Mathematics (Hon.), GPA: 4.0

East Lansing, MI

Aug. 2024 – Dec. 2027

EXPERIENCE

International Freshman Ambassador

International Scholars Advisory Board, MSU

Nov. 2024 – Present

East Lansing, MI

- Collaborated with the executive board, rotating across teams to support initiatives directed towards the international scholars community.
- Spearheaded the creation and launch of the community newsletter, boosting student engagement and involvement.
- Assisted planning and execution of culturally inclusive events, contributing creative ideas to foster inclusivity and belonging in the community.
- Communicated team progress, facilitated intergroup collaboration, and proposed event strategies during board meetings.

Treasurer

Q Undergraduate Association for Linguistics at Michigan State

Oct. 2024 – Present

East Lansing, MI

- Drafted reimbursement requests and monitored all club finances.
- Oversaw the cash flow and developed detailed budget reports for the club.
- Negotiated and sought funding from colleges and other resources within the university.
- Cooperated with other board members to organize and host weekly meetings and conferences.

Professorial Assistant

Michigan State University

Aug. 2024 – Present

East Lansing, MI

- Developed visualizations for the Deep Extrema model to predict extreme weather conditions.
- Devised data buffering algorithms to improve the efficiency of the website by 200%.
- Spearheaded the research on using LLMs to predict time series data.
- Conducted experiments using existing models and ran benchmark tests to compare their efficacies.

PROJECTS

Housify | Python, Web Sockets, Google Cloud Platform, PyQt5, Git, Github

Jul. 2024

- Engineered an online multiplayer game of Housie using Python.
- Implemented web sockets for multiplayer functionality using Python's sockets library.
- Designed a GUI using PyQt5 for the game and integrated it with the backend.
- Bundled and released the final application (MacOS + Windows) and hosted the server on GCP

tm-agenda-maker | Svelte, MongoDB, Express, Vite, Git, GitHub

Jul. 2023

- Developed a web-based polling system for a local Toastmasters Club
- Designed a user-friendly interface for the club members to vote on roles and topics for the weekly meetings.
- Implemented the backend using Express and MongoDB.
- Fortified the application's security by implementing user authentication and authorization.
- The app was projected to reduce the time taken to finalize the agenda by 70%.

thebookstore | Svelte, MongoDB, Vite, Git, GitHub

Jan. 2023

- Designed and developed a bookstore front page for DPS, Sharjah.
- Implemented search functionality and allowed for easy cataloging of retail items.
- The final deliverable was projected to cut wait times at the store by about 50%.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (MySQL), JavaScript, HTML/CSS, Go, Rust

Frameworks: Next.js/React, Svelte, Node.js, Django, Express

Developer Tools: Git, GitHub, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, Eclipse

Libraries: pandas, NumPy, scikit-learn, Matplotlib, BeautifulSoup, TensorFlow, PyTorch, PyQt5, tkinter