

Nishant Dash

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github.com/Nishant2022

Education

- University of Michigan, Ann Arbor**, MSE in Computer Science Aug 2025 – May 2026
- **GPA:** 4.0/4.0
 - **Coursework:** Foundations of AI, Scalable Systems for GenAI, Computer Architecture, Computer Networks, Quantum Computing, ML for Mobile Devices
- University of Michigan, Ann Arbor**, BSE in Computer Science Aug 2022 – May 2025
- **GPA:** 3.94/4.0, Summa Cum Laude
 - **Coursework:** Machine Learning, GPU Programming, Statistical Computing, Algorithms, Probability, Distributed Systems, Operating Systems, Natural Language Processing, System Design of a Search Engine
 - **Activities:** Taekwondo Club (President), Michigan Data Science Team (Project Lead), Tau Beta Pi (Member)

Experience

- Software Engineer Intern**, Capital One – Richmond, VA June 2025 – August 2025
- Designed and built modern Golang API to run on AWS Fargate and led 5 person intern team
 - Migrated existing USPS bar code generation to new API saving \$25k in cloud costs
- Software Engineer Intern**, Symbotic – Wilmington, MA June 2024 – August 2024
- Collaborated with Cognitive Tools team to develop robot management/troubleshooting software
 - Designed and implemented data set template feature for visual log playback tool used company wide
 - Developed full stack apps with C#/.NET and WPF; fixed memory leaks and improved tool performance
- Software Development Intern**, Renaissance Computing Institute – Chapel Hill, NC June 2023 – August 2023
- Worked on the iRODS distributed file system, used by government agencies and universities
 - Solved almost 20 issues related to administrator tools, client login, and testing
 - Facilitated the iRODS User Group Meeting and presented work at TRiRODS

Awards

- James B. Angell Scholar** – University of Michigan 2024 - 2026
- Dean's List** – University of Michigan 2022 - 2026
- National Merit Finalist** 2022

Projects

- Search Engine from Scratch** 2025
- Worked in team of 7 for EECS 498: System Design of a Search Engine. Designed and wrote custom Crawler and HTML Parser using OpenSSL and I/O multiplexing. Deployed Crawler to GCP. Indexed 10 million pages.
 - Tools Used: C++, Google Cloud Platform (GCP)
- Mini-Copilot using GPT-2** 2024
- Lead/taught team of students how to fine-tune GPT-2 for code auto completion. Taught fundamentals of CI/CD and created Github Actions Pipeline. Deployed model with AWS Lambda and accessed with VSCode extension.
 - Tools Used: Python, Typescript, Hugging Face, PyTorch, Amazon Web Services (AWS) Lambda, VSCode

Technologies

- Languages:** C++, C, Go, Python, C#, R, Java, SQL, JavaScript, CUDA, Qiskit, P4
- Technologies:** AWS, .NET, Docker, Jenkins, PyTorch, Linux