

# SATVIK KAPOOR



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## EDUCATION

### University of Michigan

*Bachelor of Science in Computer Science and Mathematics*

Expected May 2026

*Ann Arbor, MI*

- **Coursework:** Data Structures and Algorithms, Introduction to Data Science, Foundations of Computer Science, Linear Algebra, Discrete Mathematics
- **Clubs:** Upround Ventures, Shift, Sigma Eta Pi

## EXPERIENCE

### Videshify

*Founder*

May 2023 – Present

*Ann Arbor, MI*

- Founded Videshify, a platform connecting US college students with peers in India for educational and cultural mentorship.
- Expanded the network to over 200 active US students, promoting cross-cultural dialogue and providing a framework for international aspirants.
- Developed a dynamic website using React, executed extensive promotional campaigns, and organized campus visits across 10 US colleges to boost platform engagement.

### India Stem Foundation

*Student Researcher*

Jul 2021 – Oct 2021

- Carried out research on food expiration dates leveraging novel machine learning techniques under the mentorship of Dr. Saravjeet Herald from the India Stem Foundation.
- Leveraged Google Vision API and barcode scanning technology to create a barcode detection pipeline in Python and C and used a sophisticated research approach to reduce global food wastage by over 3%.
- Published the research paper through IJRAR, which can be found [here].

### PricewaterhouseCoopers, Australia

*Summer Technology Analyst*

Sept 2021 – Oct 2021

- Interned as an analyst on the deal advisory team to carry out due diligence on the Chinese Electric Vehicle space.
- Collaborated directly with senior associates and utilized proprietary analytics tools to find 3 potential M&A opportunities.
- Built extensive case studies to support investment thesis and presented to the AVP of PWC, Australia.

## PROJECTS

### DishDash | Vapor, PostgreSQL, Docker

- Developed the frontend interface using SwiftUI, and implemented scalable backend functionalities with Vapor. Seamlessly integrated Google OAuth to enhance user authentication security.
- Integrated PostgreSQL to manage robust data storage, facilitating a reliable platform for student interactions.
- Crafted an intricate database schema centralizing around a UserProfile model, optimizing user data management through the efficient use of Vapor's Fluent ORM.

### Smart Cart | Flask, MongoDB

- Developed Smart Cart, an innovative app transforming traditional stores into self-checkout systems, streamlining the retail experience.
- Engineered the backend with Flask, integrating barcode scanning and checkout functionalities, facilitating a modern shopping journey.
- Utilized MongoDB to capture and analyze customer in-store behavior, providing store owners with valuable insights into customer preferences and dwell times.

### CreDebt | React, Node.js, MongoDB

- Created CreDebt, a web platform built using React for frontend to digitally transform small-scale business operations into Self Help Groups.
- Structured financial risk mitigation for rural businesses by organizing these SMEs into collaborative entities, improving investment security (Won MIT COVID-19 Challenge).

## TECHNICAL SKILLS

**Languages:** C++, C, Python, Java, Swift, HTML, CSS, SQL, MongoDB

**Technologies:** React.js, Django, Flask, TensorFlow, PyTorch, Bootstrap, Node.js, Vapor