

SATVIK SHANKAR

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DESCRIPTION:

I am a dynamic and motivated undergraduate student studying computer science with a focus on AI/ML and full-stack development. Knowledgeable in both front-end and back-end technologies; significant projects include demonstrations of API development and integration skills. A proactive leader in extracurricular activities who has a dedication to excellence and excellent organizational abilities.

EDUCATION:

National University of Singapore (NUS) Aug 2022 – Jul 2026
Bachelor of Science in Computer Science (CAP: 4.2 /5)
(Minoring in Economics and Quantitative Finance)

Sanskriti School, New Delhi Jul 2016 – May 2021
High School Diploma
Central Board of Secondary Education, Class XII - Grade: 95.4%

PROJECTS:

Zaisei (Orbital)

- Built a web application for portfolio optimization, which selects best combination of asset classes (Commodities, Real Estate and Stocks) based on risk taking ability of the client and projects investments that collectively yield the highest possible return on investment (ROI) within the constraints of the portfolio.
- Architected and implemented the back-end API system with Flask API, integrated Firestore Database for efficient data management, resulting in a 30% decrease in API response time.
- Designed front-end using ReactJs.
- Plan to train ML model using the various scenarios and data for a comprehensive investment system.

Playlist Porter (In progress)

- Developing a cross-platform mobile application that integrates with Spotify and Apple Music APIs to enable seamless playlist migration between the two services.
- Spearheading the development of a robust API integration layer, facilitating smooth connectivity and data exchange between Spotify and Apple Music APIs.
- Implementing secure authentication mechanisms and adhering to API guidelines, ensuring data privacy and compliance with platform policies.
- Engineering a user-friendly playlist conversion algorithm, streamlining the process of transferring playlists from one music streaming platform to another.

POSITIONS OF RESPONSIBILITY:

Project Director – Sports Interest Group, School of Computing, NUS

- Orchestrated the organization of semester-round sports activities for all students at the School of Computing and the Inter-Faculty Games (IFG), fostering physical fitness and camaraderie.
- Successfully led the planning, execution, and promotion of engaging sporting events, ensuring seamless operations and maximizing participation.

Vice-Captain of High School Badminton team

- Exhibited decisive leadership and unwavering commitment to bolster the team's performance and morale.
- Mentored and motivated teammates through rigorous training sessions, honing their skills and strategic acumen.
- Drove the team's efforts, culminating in a resounding triumph at the District Badminton Tournament, showcasing remarkable teamwork and perseverance.

SKILLS:

- **Languages:** Python, JAVA, R, JS, HTML, CSS
- **Libraries & Frameworks:** ReactJs, NodeJs, Express
- **Database:** SQL, MongoDB
- **Other Technologies:** AUTOCAD

INTERESTS:

Learning more about finance and tech, playing badminton, sketching