

Vikas S. Krishna

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EDUCATION

Stony Brook University

B.S. in Computer Science / GPA: 3.49

Stony Brook, NY

Expected Graduation, May 2029

- o **Related Coursework: (CSE214)** Data Structures,(AMS 161)(Applied Calculus II
- o **Dean's List (CEAS)** — Stony Brook University

EXPERIENCE

NASA L'SPACE Workforce Development Program(NPWEE Academy)

(Project Management Assistant, AI/Robotics/Autonomy Team)

Stony Brook, NY

Dec 2025 – Current

- Selected for a competitive NASA-affiliated workforce development program focused on mission concept proposal creation and evaluation
- Supporting the project manager for an AI, Robotics, and Autonomy mission concept team
- Collaborating on systems analysis, trade studies, and technical proposal development

Project Quack-SBU Computer Science Society

Full Stack Software Engineer

Stony Brook, NY

Oct 2025 – Current

- Developing a travel itinerary web application using Next.js and TypeScript in a collaborative Git workflow
- Contributing features through pull requests, code reviews, and feature branching
- Helping shape application architecture and user experience for itinerary generation

PROJECTS

Riskly

Co-Founder & Full-Stack Engineer

Stony Brook, NY

Oct 2025 – Current

- Built a full-stack financial risk analysis web app using React + FastAPI + MongoDB
- Implemented JWT authentication and secure portfolio storage for user accounts
- Integrated external financial APIs to fetch live market data and compute portfolio risk metrics

ShoppingExpress

Full-Stack Engineer

Stony Brook, NY

Dec 2025 – Current

- Built an e-commerce web app with user authentication, product inventory, and shopping cart functionality
- Designed relational database schemas and implemented server-side checkout validation to maintain data consistency using **Django**

Image Gallery

Full Stack Software Engineer

Stony Brook, NY

Dec 2025 – Current

- Developed a full-stack image search and save application using a custom Node.js API and MongoDB using **Unsplash**
- Containerized a full-stack React,Node,MongoDB application using Docker Compose to ensure consistent deployment
- Improved front-end performance and user experience through targeted optimizations, achieving Core Web Vitals of FCP **2.3s**, LCP **4.5s**, CLS **0**, and Lighthouse: **91** Perf / **96** Accessibility / **92** Best Practices / **72** SEO | Deployed on **Vercel**

StudyMate

IOS Developer & Creator

Stony Brook, NY

May 2025 – Nov 2025

- Built a productivity app with budgeting, task planning, and AI helper features using SwiftUI and CoreData; used by classmates

SKILLS

Languages: Python, Java, JavaScript, TypeScript, Swift, SQL

Frameworks: React, Next.js, FastAPI, Django, Node.js, Express, Git, Docker, MongoDB, Vercel, Render, REST APIs, SQLite