

KRITIK SIVACHITRAVEL

State College, PA 16803

📞 917-683-4692 ✉ kritikwrkacc18@gmail.com [in linkedin.com/in/kritik-sivachitravel](https://www.linkedin.com/in/kritik-sivachitravel) [🌐 Kritik-Sivachitravel](https://www.kritik-sivachitravel.com) [🌐 My Website](#)

Education

The Pennsylvania State University

University Park, PA

Bachelor of Science in Computer Science

Aug 2022 – May 2026

- **Minors:** Mathematics, Engineering Leadership and Development
- **CGPA:** 3.52 / 4.0
- **Dean's List:** Fall 2022, Fall 2023, Fall 2024, Spring 2025

Experience

GenAI Embed Inc.

May 2025 – August 2025

Software Engineering Intern

Durham, NC

- Built GenAI-powered solutions (summarization, querying, embedding) for client use cases, improving automation efficiency by **30%**.
- Developed UI with **React.js**, **Tailwind CSS**, and integrated GenAI APIs using tools like Lexiconne and Palette, reducing page latency by **25%**.
- Engineered an Expert AI Agent to streamline salon appointment management, cutting manual scheduling time by **40%**.

All Traffic Solutions

Jun 2025 – Present

Quality Control Specialist

State College, PA

- Led Quality Assurance of smart traffic signs, ensuring smooth integration of flawless hardware and embedded software via **TrafficCloud®**.
- Worked directly with VP of Engineering to debug and enhance internal tools, adding software features to make the tool more efficient and easy to use (**TCNG Production Tools, Sign Manager**), boosting tool efficiency by **35%**.
- Reduced sign misconfiguration rate by over **70%**, improving deployment reliability across the United States.

Swappify LLC

Jan 2025 – May 2025

Web Developer

State College, PA

- Developed a full-stack, cross-platform clothing exchange app using **React Native**, **TypeScript**, and **Node.js** in an **Agile environment** with a team of 10 developers.
- Architected backend on **Supabase** with RLS-based security and integrated **Stripe**, improving transaction reliability by **20%** and enabling real-time user interactions.

Penn State University

Aug 2024 – Present

Mathematics Learning Assistant

University Park, PA

- Helped 100+ students understand advanced Calculus concepts through targeted assistance and review sessions.
- Collaborated with professors to identify struggling students, contributing to a **25% average improvement** in exam performance.

Projects

SalonPilot – Booking Platform | MongoDB, React JS, Redux Toolkit, Redux Saga, Tailwind CSS

Aug 2025

- Developed a fully responsive salon booking web application that streamlines salon appointment booking, allowing users to explore services and schedule appointments online.
- Used MongoDB Atlas, React Router v6, Redux Toolkit, and Saga for cloud navigation and state management.

Breast Cancer Growth Detection | ML, Scikit-learn, NumPy, Pandas

Sept 2022

- Developed a Random Forest model to detect breast cancer growth using 6500+ samples with 30 features, with separate training and testing samples.
- Applied tuning via K-Fold CV, regularization, and gradient descent, achieving a **94% accuracy** in breast cancer growth prediction.

Certifications

AWS Certified Cloud Practitioner – Amazon Web Services (Issued May 2025)

AWS Certified AI Practitioner – Amazon Web Services (Issued August 2025)

Technical Skills

Languages: Java, Python, C, C++, JavaScript, HTML/CSS, SQL

Databases: PostgreSQL, MongoDB, Supabase (RLS)

Frameworks/Tools: Node.js, RESTful APIs, Git, React Native, Tailwind CSS, Linux

Cloud: AWS (Certified), Deployment, Monitoring, Network Management, DevOps, Data Migration

Math: Multivariable Calculus, Statistics and Probability, Discrete Math

Leadership and Campus Involvement

President - Penn State Club Cricket

University Park, PA

- Led the team from the front, spearheaded strategy and club operations, helping **Penn State** clinch the **NCCA National Cricket Championship (Houston, TX - March 2025)**.
- Managed a club of 30+ athletes, conducting tryouts, practices, and coordinating large-scale tournaments along with volunteering drives and community service.
- Secured sponsorships via persuasive proposals and managed club finances, budgeting resources effectively.

Citizenship: USA