

Rajwat Singh

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EDUCATION

Gettysburg College

Bachelor of Science, Computer Science | **GPA:** 4.08 / 4.00 (A+ = 4.33)

Gettysburg PA

May 2027

- **Relevant coursework:** Operating Systems (Fall 2026); Computer Networks; Advanced Systems Design (Spring 2027); Databases; Computer Organization & Assembly; Data Structures & Algorithms; Theory of Computation; Artificial Intelligence

EXPERIENCE

Tekvortex (InvisiRisk Team)

May 2026 - Present

Software Engineer Intern

Onsite

- Migrated InvisiRisk CI/CD workflows onto **GitHub Actions** across 500+ repositories, consolidating per-repo pipeline config into shared reusable workflows so changes ship from one place instead of 500.
- Built a data labeling interface that replaced manual inspection as the collection path for a new ML model, turning 13,000 raw JSON captures and 4.5M network traffic calls into a labeled training set.
- Integrated a security proxy into CI/CD YAML config so scanning applied automatically to 7,000+ builds with no per-repository setup step.

Re: Members

May 2025 - Aug 2025

Software Engineer Intern

- Closed 30 tickets in 50 days, the highest among all peer interns, shipping production changes to a **.NET/C#** financial platform used by national Greek organizations.
- Fixed incorrect account balances on the transaction page by correcting the date parameter passed to the underlying stored procedure; added client-side file size validation to the data import page.
- Evaluated database architecture and decryption protocols, recommending structural changes to reduce computational load and improve query efficiency.

Gettysburg Computer Science Department

Jan 2025 – May 2025

Grader and Teaching Assistant

Gettysburg, PA

- Held weekly office hours for 50+ students, debugging student-reported code issues and writing clear explanations of both the error and the reasoning behind the fix.

PROJECTS

khel-arena (Futsal Booking Platform) Next.js, TypeScript, Supabase/Postgres - [Github](#)

2026

- Eliminated double-booking under concurrent reservations by enforcing exclusivity in **Postgres** itself — advisory locks around the booking transaction plus **EXCLUDE** constraints on overlapping ranges — rather than in application checks that race.
- Generated bookable slots virtually from operating hours and pricing rules instead of materializing rows; integrated eSewa/Khalti payments with verified server-to-server callbacks, covered by Vitest unit and integration tests in a GitHub Actions pipeline.

Palamedes Python, Django, Stripe API - [Live](#)

2026

- Built and deployed a Django financial dashboard automating dues collection for a 60-member organization, replacing spreadsheet tracking as the system of record for member balances.
- Integrated the Stripe API to process single, partial, and bulk dues payments, removing manual payment matching and bringing ledger accuracy to 100%.

CogniSpeak (Early Dementia Screening) Python, FastAPI, React - [Github](#)

2024

- Built the **FastAPI** audio-assessment backend for a 3-person hackathon team, serving a prompt-based 10-question screening flow to a React frontend.

LEADERSHIP

Sigma Chi Fraternity Treasurer & House Manager

Aug 2024 – Present

- Own dues collection and the chapter ledger for 60+ active brothers; deploying a self-built dashboard (Palamedes) doubled the on-time payment rate and eliminated manual tracking errors.
- Direct facility operations, maintenance, and safety compliance for the chapter residence, coordinating with college administration and the alumni house corporation.

Technical Team Lead, Gettysburg College AV Services — led 8 staff across 250+ campus events.

Oct 2023 – Present

SKILLS

Languages: Go, Python, Java, C#, TypeScript/JavaScript, SQL, C++

Infrastructure: GitHub Actions, CI/CD, Docker, Linux, PostgreSQL, Supabase, REST APIs, Git

Frameworks: .NET, Django, FastAPI, Next.js/React

HONORS

Abraham Lincoln Scholar — Gettysburg College merit scholarship; \$40,000

Founder Daniel William Cooper Academic Scholarship, Sigma Chi Foundation — **1 of 7 nationwide**; \$10,000