Aryan Rawat

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Education

Stevens Institute of Technology Hoboken, NJ

Bachelor of Computer Science, Minor in Mathematics *May 2028*

- **Cumulative GPA:** 3.81/4.0
- **Honors:** Presidential Scholarship, Edwin. A Stevens Scholarship, Dean's List (2x)
- **Relevant Coursework:** Computing in Python, Data Structures (Java), Algorithms (C++), Computer Architecture and Organization (C), Discrete Mathematics
- **Clubs:** Computer Science Club, South Asian Student Association, Blueprint, Society of Asian Scientists and Engineers (SASE), Software Engineering Club

Projects / Experience

TruClaim | *Software Engineering Intern* Jan 2025 – Aug 2025

- Engineered a scalable web application using React (frontend) and Flask (backend) to modernize the startup's claims screening platform; enhanced cross-system communication speed by 40%, directly supporting the launch of 3+ new product features within 2 quarters..
- Optimized claims processing workflows by deploying interactive dashboards and implementing real-time automation logic, which reduced manual touchpoints by 60% and accelerated processing throughput by 20%, significantly improving user experience and operational performance.
- Reduced manual workload by 15+ hours/week and increased processing speed by 30% by creating automation tools, including task automation, data validation scripts, and predictive analytics.

AI-Chatbot | *Java, IntelliJ IDEA, Git* Oct 2024 – Dec 2024

- Built a Java-based AI chatbot with three interactive games (Rock, Paper, Scissors, Number Guessing, and Trivia), engaging users through real-time score tracking, win streaks, and replay features.
- Boosted chatbot response accuracy by 35% by implementing NLP algorithms to analyze user input, extract contextual keywords, and simulate dynamic, human-like interactions—resulting in a more engaging and natural user experience across 3 interactive modules.
- Increased user engagement by 30% by implementing realistic typing delays and personalized messaging features, enhancing interactivity, session duration, and overall user satisfaction across all chatbot games

Music Recommender System | *Python, IDLE* Aug 2024 – Oct 2024

- Created a Python-based music recommender system for 50+ users, achieving 90% accuracy in predictions through optimized data handling and algorithm refinement.
- Designed a preference-tracking mechanism using lists, dictionaries, and file I/O to enable efficient storage, retrieval, and real-time access of user data across multiple application sessions.
- Reduced processing time by 15% by refining recommendation algorithms for faster system responsiveness.

Weather Forecasting App | *Python, VS Code, APIs, Git* July 2024 – Sep 2024

- Developed a real-time weather forecasting app using the OpenWeatherMap API, delivering accurate and location-specific forecasts through an intuitive, responsive user interface optimized for performance and accessibility.
- Reduced data retrieval failures by 30% by implementing robust error handling and optimizing API integration.
- Maintained response times under 500ms by optimizing API request logic and applying efficient Python debugging techniques, resulting in smoother app performance and enhanced user responsiveness across all features.

Certifications

AWS Certified Cloud Practitioner – Amazon Web Services Aug 2025

Software Engineering Virtual Experience Program – Goldman Sachs Nov 2024

Software Engineering Job Simulation – J.P. Morgan Chase Apr 2024

Technical Skills

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

Frameworks & Libraries: React.js, Flask, Pandas, Matplotlib

Tools & IDEs: VS Code, IntelliJ IDEA, Eclipse, Jupyter Notebooks, Git

Interests: Competitive soccer, weight lifting, strategic gaming, recreational basketball, personal investing