TANMAY GHATE

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LinkedIn

SUMMARY

Junior Computer Science major with over 1 year of professional software development experience at Northern Arizona University. Skilled in Python, SQL, and full-stack web development with hands-on experience in building scalable applications, automation tools, and cloud deployments on AWS. Actively seeking internships in software development and engineering, with additional interest in data-driven systems.

EXPERIENCE

Northern Arizona University – Flagstaff, AZ   July 2024–Present
Software Developer
- Spearheaded development of a Self-Enroll web app, transforming a static HTML page into a functional platform with student self-deactivation/reactivation features for non-credit courses
- Designed and implemented a course catalog with search, sort, and enrollment workflows, incorporating role-based access control to manage enrollment conditions for students, instructors, and public users
- Developed and implemented a Python-based data synchronization tool, reconciling 10,000+ user accounts between PeopleSoft and Canvas databases, ensuring 99% data consistency
- Optimized data processing workflows using pandas and SQLite, reducing processing time by 50% and improving discrepancy detection accuracy by 35%
- Contributed to the university's core learning platforms, improving data accuracy and automating workflows impacting 10,000+ student accounts

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PROJECTS

Ridesnet (ridesnet.com)
- Developed a ride-sharing web app enabling users to post scheduled rides with date, time, and contact details
- Integrated Google Maps API for location autocomplete, route visualization, and ETA/duration calculations, improving ride accuracy
- Built a real-time chat system supporting concurrent conversations between drivers and riders
- Implemented Kafka-driven email notifications, automating alerts for new accounts, rides, and messages
- Deployed scalable architecture on AWS EC2 with Docker and set up CI/CD pipelines for automated GitHub deployments, tested for 50+ concurrent sessions with 99.9% uptime

Personal-portfolio website (tanmayghate.site)
- Built a personal portfolio website to showcase projects, skills, and experience with a responsive and modern UI
- Deployed on AWS EC2 with CI/CD pipelines for automated updates from GitHub

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EDUCATION

Bachelor of Science in Computer Science | Expected Grad Date: Dec 2026 | GPA: 3.44
Northern Arizona University, Flagstaff – AZ

TECHNICAL SKILLS

Languages – Python, JavaScript, C++, C

Frameworks & Libraries – Node.js, Express.js, React.js

Databases – MongoDB, SQLite, MySQL

Cloud & CI/CD – AWS EC2, Docker, GitHub Actions, Nginx, Linux

Other Technical Skills – Data Structures & Algorithms, RESTful APIs, Git/GitHub, WebSockets, Kafka