

Nishanth Jadav

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EDUCATION

Villanova University | **St. Martin de Porres Scholar (\$267,000+)**

Villanova, PA

Bachelor of Arts in Computer Science & Mathematics | **GPA: 3.96/4.00**

Aug. 2024 – May 2028

EXPERIENCE

SAP

May 2026 – Present

Software Engineer Intern

Newtown Square, PA

- Architected an automated data ingestion pipeline integrating the **NetApp REST API** with an internal risk-tracking app, replacing a manual CSV workflow and eliminating **~90%** of recurring data-prep effort (**~6–8 hrs/week** reclaimed per analyst).
- Engineered a **token-refresh** and **job-queue** layer to keep long-running syncs resilient across sessions, cutting failed imports by **~75%** and improving dashboard data freshness from weekly to on-demand.
- Delivered end-to-end UX for the import feature and reducing engineering support tickets by **~50%**.

Frigate

May 2025 – Sep. 2025

Software Engineer Intern

Remote

- Developed **15+** full-stack features using **Spring Boot** and **ReactJS**, shipping to production across **4** two-week sprints and contributing to a **30%** reduction in customer onboarding time.
- Implemented **20+ RESTful API endpoints**, DTOs, services, and controllers powering customer onboarding and **Stripe** payment integrations, processing **\$50K+** in test transactions with **99.9%** success rate.
- Collaborated in an Agile environment across **10+** sprints, reviewing **40+** pull requests and cutting average PR turnaround time by **~25%** through structured code review feedback.

Villanova University

Oct. 2024 – Present

Software Developer Intern

Villanova, PA

- Lead large-scale content conversion and archival of **2,000+** university websites, ensuring data integrity and accessibility during platform migration.
- Support web and application services by managing service requests, auditing **10,000+ digital assets**, and contributing to mobile app updates through MODO App Center.

Villanova University

Jan. 2025 – Present

Research Assistant

Villanova, PA

- **SAR Imaging Research:** Developing SAR automatic target recognition algorithms in **Python** and **MATLAB** using **CNNs**, trained on Villanova's **HPC cluster** for large-scale dataset evaluation.
- **AI Voice Assistant Research:** Built a real-time server-decision and transcription pipeline, wrapped as an **SDK** for multi-application integration.

PROJECTS

Political Trades Tracker | *React, Spring Boot, PostgreSQL, Python* | [Live Demo](#)

- Built and deployed a full-stack platform tracking **500+** US congressional stock trades, serving **30+** active users with **OAuth2** Google sign-in, filterable trade feeds, and politician profile pages.
- Engineered a **scikit-learn Isolation Forest** anomaly-detection pipeline and **Alpaca API** copy-trading integration with live P&L tracking.

Desk Watcher | *Python, FastAPI, React, TypeScript, MediaPipe, YOLOv8* | [Live Demo](#)

- Engineered a real-time desktop activity classifier fusing **MediaPipe** pose detection and a **YOLOv8** phone detector, achieving **95%+** classification accuracy across breaks, phone usage, and water intake on CPU-only inference.
- Architected a **FastAPI + SQLite** backend and **React** analytics dashboard processing **10,000+** daily events with sub-**100ms** query latency, and shipped a privacy-first design that stores zero video and reduces disk usage by **99%** versus frame-based logging.

TECHNICAL SKILLS

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

Frameworks: **SpringBoot, React JS, React Native, .NET**

Developer Tools: **Git, Docker, Postman, Power BI, Power Automate**

Database Technologies: **MongoDB, PostgreSQL, MySQL, Hana**

Certifications: **AWS Certified Cloud Practitioner, Oracle OCA Java Certified**