

# Pinaki Upadhyay

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## Skills

*Technical:* C#, .NET, Java, Spring Boot, Python, MSSQL, PostgreSQL, Gherkin, Git, Azure, Kafka, Docker  
*Management:* Agile/SCRUM, Kanban, Atlassian Jira and Confluence, Trello, Notion, Pivotal

## Work Experience

### Wells Fargo - Software Engineer

Jan 2023 – Apr 2025

- Designed and implemented APIs, authorizing offshore partners to process cases on a Conduct Management platform, doubling productivity.
- Refactored monolithic application features into microservices, reducing API response times and improving system scalability and fault tolerance.
- Optimized SQL queries to track batch job statuses and automate email notifications to users, preventing delays in issue detection and reducing user defects by 40%.
- Developed a feature to replace deprecated Workday Database views with Workday API calls, reducing data retrieval time and preventing disruptions in data access.
- Engineered a feature in Angular and TSQL enabling users to save common search filters, reducing redundant queries and increasing workflow efficiency.
- Migrated deployment workflows from Urban Code Deploy to Harness, reducing deployment time and decreasing deployment failures by 15% due to automated rollbacks.
- Increased test coverage by 8,000+ lines using xUnit, improving software reliability and reducing post-deployment defects.
- Implemented a Kafka consumer service to reliably process and persist messages in MSSQL database.

### Motorola Solutions - Software Engineering Intern

May 2022 – Aug 2022

- Automated quality assurance tests for radios using C++, streamlining factory testing and reducing testing time by 70%.
- Debugged and resolved errors within legacy code using Klocwork, reducing tech debt by 26%.
- Standardized radio frequency range testing procedures through comprehensive documentation, ensuring consistent product quality throughout the batch.

## Projects

### SentiAI – Team Leader

Python, Django, PostgreSQL, Twitter API

- Directed team of 5 to develop a web application analyzing customer sentiment of products and services, culminating in a 20+ page paper and presentation to an audience of 150+.
- Architected data pipeline to scrape customer feedback from Twitter and YouTube, process sentiment analysis with OpenAI GPT 3.5 and store results in PostgreSQL.
- Built a UI to visualize sentiment trends, displaying average star ratings over time, identifying negative sentiment causes, and highlighting the most positive and negative reviews.

### Kindness Captured

Python, Azure Custom Vision

- Led a team to develop a highly accurate (96%) furniture damage detection model using Microsoft Azure Custom Vision AI.
- Worked closely with nonprofit development team members to understand product requirements and translate them into an ML model, increasing operational efficiency for key stakeholders.

## Education

Bachelor of Science in Computer Science – *Florida Atlantic University*  
Certificate in Data Science and AI

## Awards & Certifications

Microsoft Azure AZ-900 Certification  
Oracle Cloud Foundations Certified Associate

1st Place South Florida Tech Hub Hackathon 2022  
3rd Place South Florida Tech Hub Hackathon 2023  
Best Financial Hack - Tech Together Miami 2023

