

# RUCHIKA MEHTA

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## SUMMARY STATEMENT

Computer Science graduate from Drexel University with specialization in Artificial Intelligence/Machine Learning and Software Engineering. Extensive experience with Python, Java, C#, and AI tools such as Palantir Foundry, highlighted by successful co-op roles improving coding efficiency and data operations. Held leadership roles in ACM and Drexel AI Society, and strengthened outreach as a Student Ambassador.

## EDUCATION

### Drexel University, College of Computing & Informatics

Bachelor of Science in Computer Science

**Concentrations:** Software Engineering, Artificial Intelligence and Machine Learning

Philadelphia, PA

Graduation: September 2025

## SKILLS

**Programming Languages:** Python, C#, C, C++, Java, JavaScript, Racket, SQL, ReactJS, Bash

**Framework:** Azure, React Native, DrRacket, IntelliJ, PL/SQL, GitHub, Django, MySQL, PostgreSQL, SQLite

**Technology:** AWS, Microsoft Copilot, Amazon CodeWhisperer, Palantir, PowerBI, Tableau, Cognos

**Methodologies & Practices:** Agile/Scrum, CI/CD, REST API Development, Unit Testing, Test-Driven Development (TDD)

**Certifications:** AI & Data (IBM), Foundry Foundations (Palantir), SQL (UC Davis), AB Testing with SQL (UC Davis)

## PROFESSIONAL EXPERIENCES

### Aramark Corp – Technical Data Analyst Co-op

Philadelphia, PA | Sep 2023 – Mar 2024

- Spearheaded the integration of Amazon CodeWhisperer at Aramark to enhance coding efficiency across the IT departments in the company through leveraging research on **10+** AI driven coding tools
- Executed comprehensive testing on **8** different features of Palantir Foundry's pipeline builder tool, generating detailed reports utilized by the data harmonization project team to drive project progress
- Analyzed datasets with **~64000** records to identify trends and missing vendor data, facilitating accurate expenditure logging by the finance team through supply chain data gathering
- Collaborated with key stakeholders to create a Gantt chart project plan identifying **50+** minority vendors, supporting local businesses, and reducing Aramark's tax obligations

### Holman – Information Management Developer Co-op

Mt. Laurel, NJ | Sep 2022 – Mar 2023

- Engineered **100+** SQL queries for ETL across 5+ systems, improving data accessibility and consistency
- Resolved **20+** FleetTrak cases using data automation and system integration, boosting fleet efficiency
- Mapped **~50** files to align client data with system standards, improving accuracy and reducing errors
- Generated **36** performance reports (lodged, in progress, completed) to track case resolution efficiency

## PROJECTS

### OpenMario++ – Machine Learning Developer

Apr 2025 – Jun 2025

- Built a personalized course recommendation system using Contextual Bandits, Q-Learning, and Deep Q-Networks, improving recommendation accuracy by **~20%** over baseline models
- Integrated Meilisearch for real-time ranking and user tracking, enabling **<100ms** search responses and boosting engagement with tailored suggestions

### Fencing Tournament Mobile App – Full Stack Developer

Sep 2024 – Jun 2025

- Earned **3rd Place out of 54 teams** in Drexel CCI's 2025 Senior Design, validating innovation and usability
- Engineered a cross-platform app with a remote-controlled timer to run and score fencing tournaments, reducing setup time by **50%** and lowering costs by **70%** compared to existing systems

### CampusFinds – Full Stack Developer

Sep 2024 – Dec 2024

- Developed a secure, college-exclusive marketplace using Node.js, PostgreSQL, and Express.js, tested by **27** students in a mock class to validate usability and security
- Built real-time chat, search filters, and ratings/reviews to enhance accountability in peer-to-peer transactions

### YODEL – Project Manager/Back-End Developer

Jan 2022 – Jun 2022

- Led a 5-person Agile team to deliver a multi-user Karaoke Web Application, completing **100%** of sprints on time and within scope
- Enhanced web application functionality by programming media file sharing and expanding the User Interface with audio recording and storing features