

# JAISAL MEHTA

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## EDUCATION

**Indiana University**, Bloomington, IN

**May 2025**

*Luddy School of Informatics, Computing, and Engineering*

*Bachelor of Science in Computer Science - Specialization: Software Engineering – Minor: Business*

## TECHNICAL SKILLS

**Programming Languages/Technologies:** Java, Python, R, Swift, UIKit, C, C++, HTML, CSS, Jupyter Notebook

**Platforms:** Mac OS, Windows OS, IntelliJ Idea, Xcode, CLion, PyCharm, WebStorm, Visual Studio Code, Unix, Microsoft 365

## TECHNICAL PROJECTS

### Patient System Application

**March 2024 - May 2024**

- Developed an interactive patient management application in Java using Java Swing, featuring secure login, searching and sorting functionalities, and robust data validation for efficient healthcare data handling
- Enhanced a previous patient system project by incorporating a user-friendly graphical interface, improving the user experience and facilitating accurate and effective patient record management

### Stock Price Prediction with Machine Learning and TensorFlow

**April 2024**

- Developed an end-to-end solution and machine learning model using Jupyter Notebook/Lab and Python, with data sourced from Yahoo Finance regarding the Microsoft stock and employing various statistical and machine learning libraries
- Utilized TensorFlow for predictive analysis in the domain of stock price forecasting

### Animal ScrapBook

**April 2023**

- Developed an animal classification app using Xcode and Swift, integrating a CreateML model to classify animals from photos, while also maintaining a record of captured animals, and seamlessly incorporating UIImagePickerController for photo capture
- Implemented notifications to encourage daily application engagement, fostering user interest in discovering and learning about various animal species in a digital format within a user-friendly interface

## PROFESSIONAL EXPERIENCE

**Serve IT**, Bloomington, IN

**August 2023 – December 2023**

*UX Design Intern*

- Collaborated with a multidisciplinary team to redesign Tandem Birthing Center's website, contributing to the UX design process through wireframes, prototypes, and mockups
- Conducted user research activities, including usability testing, to gather insights informing design decisions and enhance user experiences tailored to the Bloomington community, while also supporting the development and maintenance of design systems and style guides to ensure visual consistency and reinforce brand identity across projects

**Walgreens**, Glenview, IL

**May 2023 – August 2023**

*Pharmacy Technician*

- Excelled in accurately dispensing medications at Walgreens, ensuring patient safety and compliance with quality standards, while efficiently managing inventory to minimize waste and enhance cost-effectiveness
- Recognized for delivering exceptional customer service, addressing inquiries and concerns promptly and effectively, and ensuring a positive and personalized pharmacy experience, garnering consistent positive feedback from customers

**Viant Medical**, Wheeling, IL

**June 2021 – July 2021**

*Manufacturing Engineering Intern*

- Performed validation reports for various types of medical part manufacturing machines to ensure oil changes met customer demands and met production requirements while maintaining cleanliness of Oracle database of organization
- Utilized measurement instruments to gauge medical components and generated statistical data reports via Minitab Software to ensure adherence to client specifications by comparing data values

## STUDENT INVOLVEMENT

**INgineering Club**, Bloomington, IN

**August 2023 – Present**

*Executive Board Member – Treasurer*

- Prepared and presented annual fiscal budgets, outlining projected income and expenses for organizational financial planning
- Maintained accurate financial records, reported changes at board meetings, and coordinated purchase approvals with the President, showcasing adept financial judgment for accountable resource management aligned with organizational directives