

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 – Minors: Business, Data Science, Engineering

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 - Current

- Developed a Java-based application using Java Swing, featuring secure login, robust data validation, and efficient searching and sorting functionalities
- Utilized an SQL database to implement CRUD operations for managing an unlimited number of patient records
- Enhanced a prior system by integrating a user-friendly graphical interface, improving user experience and facilitating accurate patient data 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