

# DANISH FAIZAN MOHAMMED

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## EDUCATION

Illinois Institute of Technology, Chicago, IL

May 2026

**Master of Science in Computer Science**, CGPA: 3.67/4

Relevant Courses: Advanced Database Organization, Software Systems Architectures, Introduction to Machine Learning

Jawaharlal Nehru Technological University, Hyderabad, India

July 2023

**Bachelor Of Technology**, CGPA: 7.91/10

Relevant Courses: Data Structures, Design and Analysis of Algorithms, Object Oriented Programming using C++, Database Management System, Cloud Computing

## SKILLS

**Languages:** Java, Python, C++, PHP, SQL, HTML, CSS, JavaScript, TypeScript

**Libraries/Frameworks:** React, Redux, Next.js, Tailwind CSS, NumPy, Scikit-Learn, Matplotlib, Seaborn, Plotly

**Database Technologies:** MySQL, Firebase Cloud Firestore, MongoDB

**APIs/Services:** Stripe API, NextAuth.js, Google Authentication

**Other Technologies:** RESTful APIs, Webhooks, Server-Side Rendering

## EXPERIENCE

### Software Engineering Intern

Tata Consultancy Services, Hyderabad, India

February 2023 - April 2023

- Enhanced fraud detection capabilities by 30% through the strategic prioritization of Fraud/AML alerts, employing advanced data analytics and machine learning techniques to expedite the identification of high-risk cases.
- Executed sophisticated alert prioritization strategies that boosted operational efficiency by 25%, ensuring prompt and targeted responses to high-severity fraud and AML alerts.
- Applied data analysis and machine learning techniques to contribute to fraud detection. Ensured compliance with data privacy and security standards while handling sensitive information

## PROJECTS

### Amazon Website | *JavaScript, React, Redux, Tailwind CSS, Next.js, NextAuth.js, Stripe API, Firebase, webhooks*

- Engineered a full-stack e-commerce platform using Next.js, React, and Redux, featuring responsive UI with Tailwind CSS and Google Authentication via NextAuth.js.
- Integrated Stripe's RESTful API for payments, with webhooks for automated order processing and real-time updates.
- Developed a dynamic product catalog and shopping cart system using Redux state management, alongside an order history feature leveraging Firestore's NoSQL database capabilities.

### Cerebral vascular Accident Prediction | *NumPy, Pandas, Scikit-learn*

- Achieved 98% accuracy in stroke risk prediction using advanced models like Decision Trees, Random Forests, and Neural Networks.
- Enhanced prediction reliability by 20% through comprehensive data preprocessing and feature engineering on a 10,000+ record dataset.
- Reduced misclassification rate by 15% through rigorous model evaluation and optimization, ensuring robust clinical deployment.

### Android Attendance Management System | *Android Studio, MySQL*

- Developed Android app using Java, Android Studio, and MySQL for efficient online attendance management. Implemented robust tracking and recording mechanisms to streamline attendance data management