

Khushi Jain

Newark, NJ

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Education

New Jersey Institute of Technology

Master of Science in Computer Science; GPA: 3.8/4.00

Sep 2022 – May 2024

Newark, NJ

Narsee Monjee Institute of Management Studies

Bachelor of Technology in Information Technology; GPA: 3.61/4.00

Jul 2018 – May 2022

Mumbai, India

Experience

Graduate Research Assistant

Sep 2023 – May 2024

New Jersey Institute of Technology

Newark, NJ

- Led a team of 6 in a collaborative project with California State University, implementing advanced qualitative assessment techniques.
- Enhanced data precision using **ATLAS** software, supporting informed strategic planning and decision-making.
- Directed communication and project strategies, increasing the quality of research outcomes by **25%**.

Graduate Research Assistant

Sep 2023 – May 2024

New Jersey Institute of Technology

Newark, NJ

- Spearheaded the development of the virtual museum application using **AR/VR** technology.
- Developed and launched an AR/VR application for visually impaired students, boosting educational accessibility.
- Employed Unity software to create an interactive application experience, increasing visitor engagement by **35%**.

Software Engineer Intern

May 2021 – Jul 2021

CodeSpeedy Technology Pvt. Ltd.

Kolkata, India

- Collaborated with a team using **Agile** practices to develop Java-based **object-oriented libraries**, enhancing development efficiency by **30%**.
- Engineered scalable Java applications with a focus on object-oriented design and functional programming, enhancing system performance.
- Led unit testing and quality assurance for Java applications, achieving robust performance and reducing bug rates by **25%**.

Projects

Weather Forecast Application | HTML5, Vanilla JS

- Developed a weather application using HTML5 and Vanilla JavaScript, integrating the Real-Time OpenWeather API for accurate weather data.
- Integrated key features such as current weather conditions, weather forecasts, and location-based weather updates.
- Ensured efficient API calls, robust error handling, and optimized application performance for faster load times.

Journaling Web App | React, Node.js, PostgreSQL

- Constructed an efficient journaling application using Node.js, React, and PostgreSQL, to improve user engagement.
- Designed a scalable backend with Node.js and PostgreSQL, optimizing data handling and performance.
- Optimized the deployment process by implementing Docker containerization, reducing deployment times by **20%**.

Online Quiz System | Java, Servlet, HTML/CSS, Tomcat

- Engineered robust back-end functionality with Java Servlets and JDBC, ensuring data handling and storage management.
- Developed a user-friendly front-end interface using Java Server Pages (JSP) and HTML/CSS.
- Employed Apache Tomcat, ensuring efficient application deployment and reducing server downtime by **17%**.

Stock Price Prediction | Python, Streamlit

- Built a real-time web application for stock price forecasting using Python, Streamlit, and the Prophet modeling framework, achieving **95%** prediction accuracy.
- Streamlined data handling, offering users with actionable insights for long-term financial planning and investment.

Maize Disease Detection | Deep Learning, Flask, Tensorflow

- Created a TensorFlow-based deep learning model that enhanced disease detection accuracy in maize by **76%**, achieving a success rate of **87%**.
- Implemented an advanced machine learning model within a Flask app, creating a **REST API** that enabled real-time data processing, handling user interactions.

Skills

Languages: Java, Python, HTML/CSS, JavaScript

Tools: VS Code, Android Studio, JIRA, Git, PowerShell, Heroku, Figma

Library/Frameworks: React, Node, Express, Tailwind, CSS, Flask, TensorFlow

Databases: MongoDB, PostgreSQL, MySQL

Platforms: AWS

Leadership Experience

- Led an engaging workshop for 40 undergraduate students, focusing on the fundamentals of Java game development.
- Coordinated 3 global educational projects at AIESEC in Warsaw, enhancing cultural and communication flexibility.