

# Indrayani

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Available for Summer 2024/ Fall 2024 Internships/ Co-op

## Education

**Master's of Science in Information Systems** | *Northeastern University, Boston, MA, USA*

**Expected May 2025**

Coursework: Application Engineering & Development, Database Design and Management, User Experience Design/Testing, Web Design

**Bachelor's Of Technology in Computer Science** | *Keshav Memorial Institute Of Technology, Hyderabad, TS, India*

**July 2023**

Coursework: Data Structures And Algorithms, Object Oriented Programming, Machine Learning, Data Mining, Operating Systems

## Technical Skills

- **Languages:** JavaScript, HTML5, CSS3, Java, Python, C++, C
- **Database:** Oracle SQL, MySQL, MS SQL Server, MongoDB
- **Operating Systems:** Linux., Windows
- **Tools:** NetBeans IDE, Jupyter Notebook, Google Colab, Visual Studio, Microsoft Office Suite, Git, Figma, Balsamiq, Moqups
- **Data Processing & AI Libraries:** matplotlib, pandas, numpy, TensorFlow, seaborn, keras, Scikit-Learn, pytorch, openCV

## Work Experience

**Virtusa | Hyderabad, TS, India**

**Software Engineer Intern**

- Engineered and implemented a web application, significantly enhancing user experience by leading the development of a client-side application using React, and contributed to back-end services using Node.js.
- Executed performance testing, optimized SQL queries, and stored procedures to improve data handling efficiency by 60%
- Contributed extensive analysis to determine and fix performance bottlenecks in the system, improving API performance by 20%
- Designed and implemented a CRM API using SQL for seamless customer email integration and Conducted a comprehensive integration and unit tests to ensure functionality across platforms.

## Relevant Projects

**CareWing** | *Northeastern University, Boston, MA, USA*

**Jan 2024 - Apr 2024**

- Enhanced UI responsiveness and state management with React.js and Redux, achieving a 40% user engagement increase and 25% faster load times using optimized HTML, CSS, and SCSS.
- Optimized back-end with Node.js and Express.js for 30% quicker response and 20% higher transaction throughput.
- Implemented a MongoDB-based data architecture, achieving a 35% boost in data processing efficiency and enabling scalable infrastructure enhancements.

**Subscription Management System** | *Northeastern University, Boston, MA, US*

**Sept 2023 - Dec 2023**

- Designed SQL database schemas and entity-relationship models to enhance data structure and scalability.
- Implemented automated database triggers and views for real-time management of promotions and subscriptions.
- Developed stored procedures to improve data retrieval efficiency and operational decision-making.

**Anti-fraud detection model for Internet loan** | *Keshav Memorial Institute Of Technology, Hyderabad, TS, India* **Dec 2023 - Jul 2023**

- Achieved 97.71% accuracy in fraud detection using a deep learning model on the Lending Club dataset, demonstrating exceptional analytical and machine learning proficiency.
- Enhanced data preprocessing efficiency by 20%, employing techniques like Random Forest imputation and SMOTE for imbalance correction, showcasing innovative problem-solving skills.
- Led to a 30% reduction in false positives compared to traditional fraud detection models, markedly improving the efficiency and reliability of Internet loan fraud detection

**Sentiment Analysis of Restaurant Reviews** | *Keshav Memorial Institute Of Technology, Hyderabad, TS, India* **Dec 2023 - Jul 2023**

- Led NLP-driven sentiment analysis with 92% accuracy on over 500,000 reviews using Python and VADER, showcasing expertise in natural language processing and analytical skills.
- Designed and implemented an innovative review categorization system, enhancing data-driven storytelling and effectively communicating insights to stakeholders.
- Optimized data processing workflows, achieving a 20% increase in efficiency, and demonstrated proficiency in technical skills and data management within an ML context.

**Leadership:** Problem Solving, Analytical thinking, Time management, organizational and communication skills