

Vishal Dhatrika

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EDUCATION

University of Missouri – Kansas City

Master of Science in Computer Science

– Fitness Center Attendant, UMKC Campus Recreation

Kansas City

May 2024

April 2023-January 2024

Jawaharlal Nehru Technological University Hyderabad | MLR Institute of Technology

Bachelor of Technology in Computer Science and Engineering

Hyderabad

TECHNICAL SKILLS

- **Languages:** Java, Python, C#, C++, R, SQL, PHP, Solidity, CSS 3, HTML 5
- **Frameworks:** Node.js, React, Bootstrap, Pandas, NumPy, Seaborn, Scikit Learn, Hadoop, Swing
- **Technologies and Tools:** Ethereum, Smart Contracts, Unix, Linux, Windows and macOS, JUnit 4, JUnit 5, CI/CD

RELATED EXPERIENCE

Epam Systems

Pre-Education Programme Trainee

Virtual

September 2020-June 2021

- Trained in technologies critical to the role of a Software Engineer - Maven, Git, Core Java, Design Principles and Design Patterns, Manual and Automated Testing, Front-end development.

International Center for Supplemental Instruction at the UMKC

Computer Science and Math Tutor, UMKC Academic Support and Mentoring

Kansas City

January 2024-May 2024

- Empower students with comprehensive understanding and practical skills in programming and computational concepts via supporting the **courses:** Problem Solving and Programming, Discrete Structures, Data Structures, Blockchain Technologies, Network Architecture, Design and Analysis of Algorithms, Principles of Data Science, Introduction to Database Management Systems, Calculus.

UMKC Writing Studio

Writing Consultant

Kansas City

August 2023-May 2024

- Review, provide feedback and help to edit autobiographies, reports, resumes, university applications, speeches, presentations, and other forms of publication. Lead writing workshops and assist with marketing events, facilitate and foster student learning by asking questions, collaborating with writers during consultations, and teach important writing strategies and concepts.

PROJECTS

BlockCertify (<https://blockcertifyproject.github.io/>)

May 2022

- A secure verification and validation mechanism for educational certificates using Blockchain technology. Generated certificates in nearly 3 minutes, 85% less time compared to hard-copied documents.
- *Patent Applied with IP India:* <https://vishaldhatrika.me/patents/blockcertify.pdf>

Mills Nine Men's Morris Game (<https://github.com/UMKC-Pals/Mills>)

December 2023

- Deepened skills and implemented SDLC, Agile principles and practices by developing a Nine Men's Morris desktop game employing Java, OOP concepts, Swing.

Cuisine Haveli (<https://cuisinehaveli.wuaze.com>)

December 2021

- PHP, Bootstrap, and responsive LAMP stack web application to cater marketing, e-commerce, delivery, table booking and catalog management.

Prediction and Analytics of Sales of Products by Outlets (<https://github.com/vishaldhatrika/sales-forecasting-project-umkc-cs5530>)

May 2023

- Utilized regression techniques including Linear Regression, Random Forest Regression, Decision Tree Regression, Support Vector Regression, and Artificial Neural Network to forecast outlet sales, achieving high accuracy as evidenced by evaluation metrics such as R-squared, MAE, and RMSE.
- Accomplished the development of machine learning models using Python and R, harnessing the power of packages such as Pandas, NumPy, and Matplotlib for comprehensive data manipulation, analysis, and visualization.