

# Vishal Dhatrika

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## EDUCATION

<b>University of Missouri – Kansas City</b> Master of Science in Computer Science – Fitness Center Attendant, UMKC Campus Recreation	Kansas City May 2024 April 2023-January 2024
<b>Jawaharlal Nehru Technological University Hyderabad   MLR Institute of Technology</b> Bachelor of Technology in Computer Science and Engineering	Hyderabad July 2022

## 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

<b>Epam Systems</b> Pre-Education Programme Trainee	Virtual September 2020-June 2021
<ul style="list-style-type: none"><li>• Trained on 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.</li></ul>	
<b>UMKC SI and Tutoring   Academic Support and Mentoring</b> Computer Science and Math Tutor	Kansas City January 2023-May 2024
<ul style="list-style-type: none"><li>• Empower students with comprehensive understanding and practical skills in programming and computational concepts via supporting the <b>courses:</b> 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.</li></ul>	
<b>UMKC Writing Studio</b> Writing Consultant	Kansas City August 2023-May 2024
<ul style="list-style-type: none"><li>• 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.</li></ul>	

## PROJECTS

<b>BlockCertify</b> ( <a href="https://blockcertifyproject.github.io/">https://blockcertifyproject.github.io/</a> )	May 2022
<ul style="list-style-type: none"><li>• A secure verification and validation mechanism for educational certificates using Blockchain technology. Generated certificates in nearly 3 minutes, 85% lesser time compared to hard-copied documents.</li><li>• <i>Patent Applied with IP India:</i> <a href="https://vishaldhatrika.me/patents/blockcertify.pdf">https://vishaldhatrika.me/patents/blockcertify.pdf</a></li></ul>	
<b>Mills Nine Men's Morris Game</b> ( <a href="https://github.com/UMKC-Pals/Mills">https://github.com/UMKC-Pals/Mills</a> )	December 2023
<ul style="list-style-type: none"><li>• Deepened skills and implemented SDLC, Agile principles and practices by developing a Nine Men's Morris desktop game employing Java, OOP concepts, Swing.</li></ul>	
<b>Cuisine Haveli</b> ( <a href="https://cuisinehaveli.000webhostapp.com">https://cuisinehaveli.000webhostapp.com</a> )	December 2021
<ul style="list-style-type: none"><li>• PHP, Bootstrap, and responsive LAMP stack web application to cater marketing, e-commerce, delivery, table booking and catalog management.</li></ul>	
<b>Prediction and Analytics of Sales of Products by Outlets</b> ( <a href="https://github.com/vishaldhatrika/sales-forecasting-project-umkc-cs5530">https://github.com/vishaldhatrika/sales-forecasting-project-umkc-cs5530</a> )	May 2023
<ul style="list-style-type: none"><li>• 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.</li><li>• 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.</li></ul>	