

VISHAL DHATRIKA

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EDUCATION

University of Missouri - Kansas City
Master's, Computer Science

May 2024
GPA: 3.8

PROFESSIONAL EXPERIENCE

UMKC Academic Support and Mentoring

Computer Science Tutor

Kansas City, MO, USA

January 2024 - May 2024

- Dedicated to empowering students with comprehensive understanding and practical skills in programming and computational concepts.
- Supported courses: Problem Solving and Programming I and II - Lab and Theory, Discrete Structures I, Blockchain Technologies, Network Architecture, Design and Analysis of Algorithms, Principles of Data Science, Introduction to Database Management Systems.

UMKC Writing Studio

Writing Consultant

Kansas City, MO, USA

August 2023 - May 2024

- Drove student success by delivering individualized writing tutoring. Created educational materials and handouts, responding to Writer's Hotline inquiries, and ensured confidentiality in maintaining student records.
- Engaged in continuous professional development to enhance tutoring skills and stay current with industry best practices.

UMKC Campus Recreation

Fitness Center Attendant

Kansas City, MO, USA

April 2023 - January 2024

- Dedicated fitness center attendant with a focus on supporting member well-being and maintaining top-notch facility standards.

Epam Systems

Pre-Education Programme Trainee

Remote

September 2020 - June 2021

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

PROJECTS & OUTSIDE EXPERIENCE

BlockCertify

Developer

July 2021 - July 2022

- 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.
- [Link to project](#)

Prediction and Analytics of Sales of Products by Outlets

Student Machine Learning Practitioner

January 2023 - 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.
- [Link to project](#)

Cuisine Haveli - Restaurant Website

Fullstack PHP Developer

April 2020 - December 2021

- Built PHP, Bootstrap, and responsive LAMP stack web application to cater marketing, e-commerce, delivery, table booking and catalog management, user accounts.
- [Link to project](#)

Self-employed

Freelance Web Developer

January 2020 - Present

- Designed a responsive, user-friendly interface using HTML, CSS, Bootstrap, and JavaScript, enhanced interactivity with animations via Glide.js.
- Ensured cross-browser compatibility and mobile responsiveness, improving load times and user engagement.
- Applied SEO best practices, boosting site visibility, and continuously updated content with new projects, skills, and blog posts.
- [Link to project](#)

Mills Nine Men's Morris Game

Developer

August 2023 - 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.
- [Link to project](#)

TECHNICAL SKILLS

AWS, CAD, Computer Networking, Data Analysis, Data Science, Data Structures & Algorithms, Graphic Design, Git, HTML/CSS, Java, C/C++, Python, Web Development, AutoCAD, Communications, Excel/Numbers/Sheets, Blockchain, Ethereum Virtual Machine (EVM), Node.js, React.js, C#, R, RDBMS, MySQL, SQL, MongoDB, PHP, Solidity, CSS, HTML, ES6, Bootstrap, Pandas, Tailwind, NumPy, Seaborn, Hadoop, Swing, Ethereum, Linux/Unix, JUnit, CI/CD, JavaScript