VISHAL DHATRIKA

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EDUCATION

University of Missouri - Kansas City   **May 2024**
Master's, Computer Science   *GPA: 3.8*

PROFESSIONAL EXPERIENCE

UMKC Academic Support and Mentoring   **Kansas City, MO, USA**
Computer Science Tutor   *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   **Kansas City, MO, USA**
Writing Consultant   *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   **Kansas City, MO, USA**
Fitness Center Attendant   *April 2023 - January 2024*
- Dedicated fitness center attendant with a focus on supporting member well-being and maintaining top-notch facility standards.

Epam Systems   **Remote**
Pre-Education Programme Trainee   *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 - *Link to project*   *July 2021 - July 2022*
Developer
- 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.

Prediction and Analytics of Sales of Products by Outlets - *Link to project*   *January 2023 - May 2023*
Student Machine Learning Practitioner
- 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.

Cuisine Haveli - Restaurant Website - *Link to project*   *April 2020 - December 2021*
Full-stack PHP Developer
- Built PHP, Bootstrap, and responsive LAMP stack web application to cater marketing, e-commerce, delivery, table booking and catalog management, user accounts.

Meme-ory Game - *Link to project*
React Developer
- Developed "Memory Game with a Meme-Twist," a cross-device Progressive Web App using React and Typescript.
- Created engaging gameplay where players match meme tiles, with offline play functionality.
- Implemented responsive web design to ensure a seamless user experience across multiple devices.

Self-employed - *Link to project*   *January 2020 - Present*
Freelance Web Developer
- 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.

Mills Nine Men's Morris Game - *Link to project*   *August 2023 - December 2023*
Developer
- Deepened skills and implemented SDLC, Agile principles and practices by developing a Nine Men's Morris desktop game employing Java, OOP concepts, Swing.

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, TypeScript