Vishal Dhatrika

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Experience

The Yiddish Arts and Academics Association of North America
Web Developer Intern **July 2024 - Present**

- Develop and manage a WordPress site using Elementor and Divi, enhancing UI/UX for a client base of over 3,000 users.
- Implement Shopify and WooCommerce integrations, managing 25 product listings.
- Design responsive web interfaces with HTML, CSS, and PHP. Conduct comprehensive website testing and debugging, ensuring high performance, responsiveness.

UMKC SI and Tutoring — Academic Support and Mentoring — Intl. Center for Suppl. Instruction
Computer Science and Math Tutor **Jan 2024 - May 2024**

- Mentored 25+ undergrad CS students in Problem Solving, Programming, Blockchain, Networking, Algorithms, Data Science & Databases. Achieved consistent 5/5 ratings for effective teaching methods.
- Increased project completions and improved average scores by 10%.

Epam Systems
Pre-Education Programme Trainee, Intern **Sep 2020 - Jun 2021**

- Demonstrated excellence across 11 technical projects and gained expertise in Software Engineering technologies including Maven, Git, Java, and testing.

UMKC Writing Studio
Writing Consultant **Aug 2023 - May 2024**

- Guided PhD students through complex dissertation writing stages, leading to successful defenses.
- Assisted undergraduate students with academic writing, improving research paper grades by 10%.

UMKC Campus Recreation
Fitness Center Staff **Apr 2023 - Jan 2024**

- Managed CPR/AED/First-Aid safety compliance, equipment maintenance, and facility operations.

Education

University of Missouri – Kansas City
Master of Science in Computer Science **GPA: 3.8/4** **May 2024**
Jawaharlal Nehru Technological University Hyderabad — MLR Institute of Technology
Bachelor of Technology in Computer Science and Engineering **GPA: 8.52/10** **Jul 2022**

Skills

Languages: Java, JavaScript, TypeScript, ES6, Python, C, C++, C#, R, SQL, PHP, Solidity, CSS, Flexbox, Grid, HTML
Frameworks: Node.js, React, Redux, Angular, Tailwind, Bootstrap, MongoDB, Pandas, Hadoop
Technologies: Ethereum, Smart Contracts, Git, CI/CD, Unix, Postman, Zoho CRM, Infura APIs, Pinata IPFS

Projects

BlockCertify (Patended) *Link: https://blockcertifyproject.github.io*
Technologies: Blockchain, Ethereum, Solidity, Smart Contracts, Infura APIs, IPFS, Node.js, HTML/CSS, Tailwind, Git, GitHub
Developed a decentralized app (DApp) leveraging blockchain for credential verification. Implemented smart contracts using Solidity, on Ethereum via Infura APIs. Utilized IPFS for file storage. Built with HTML, CSS, Solidity, Tailwind, web3.js.

Meme-ory Game *Link: https://memorygame.vishaldhatrika.me*
Technologies: React, TypeScript, Progressive Web App (PWA), Chrome DevTools, Lighthouse, HTML/CSS, Webpack, Babel, Git
Implemented a cross-device PWA using React and TypeScript with a focus on performance and accessibility (92% Lighthouse score). Continuous testing and debugging were handled with Chrome DevTools.

Mills Nine Men's Morris Game *Link: https://github.com/UMKC-Pals/Mills*
Technologies: Java, OOP, Swing, JUnit, Git, Agile, Maven
Designed a desktop application using Java and Swing, employing OOP design principles. Developed unit tests using JUnit for code coverage. Used Git for version control and followed Agile methodology with Maven for build automation.

Cuisine Haveli – Restaurant Website *Link: https://github.com/vishaldhatrika/cuisinehaveli*
Technologies: PHP, MySQL, Bootstrap, Tailwind, LAMP stack, JavaScript, HTML/CSS
Created a responsive web application using PHP, MySQL, Bootstrap, and Tailwind. Implemented CRUD operations, user authentication, and product management system. Integrated JavaScript for dynamic functionalities and asynchronous requests.

Prediction and Analytics of Sales of Products by Outlets *Link: https://git.new/vishal-ml-proj*
Technologies: Python, R, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Machine Learning, Neural Networks
Developed regression-based models and an Artificial Neural Network in Python and R, utilizing Pandas, NumPy, and Scikit-learn for data preprocessing, modeling, and evaluation. Visualized data with Matplotlib and Seaborn.