Madhavan Vaidya

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TECHNICAL SKILLS

- Programming Languages: Python, Java, C, C++
- Machine Learning: Scikit-learn, Pytorch, Tensorflow, Pandas, Numpy
- Web Development: HTML, CSS, JavaScript, PHP, Django, ReactJS, NodeJS, Express
- Database Management: MySQL, MongoDB
- Data Visualization: Power BI
- Operating Systems: UNIX, Linux, Windows, MacOS
- Software Tools: MS office Suite

EDUCATION

Master of Applied Computing   Sep 2023 - Present
University of Windsor, Windsor, ON
- Available for a 4- or 8-month internship starting September 2024

Bachelor of Technology in Computer Engineering   Jul 2019 - May 2023
Marwadi University, Rajkot, India
GPA: 9.61/10

EXPERIENCE

Junior Web Developer   Jan 2023 - Jul 2023
Infinitie Technologies, Bhuj, India
- Architected robust web solutions leveraging PHP Laravel Framework, increasing user experience and attaining a 20% boost in client satisfaction, while slashing response times by 25%
- Implemented SEO strategies, increasing organic traffic by 15% through optimized metadata and keyword management
- Conducted QA and testing procedures, reducing bug incidents by 30% pre-launch
- Collaborated with back-end developers deploying HTML, CSS, and ReactJS to troubleshoot and resolve coding issues efficiently
- Led launch of software, coordinating cross-functional teams to ensure seamless deployment and operational excellence

Content Writer   May 2021 - Aug 2021
Exaltare Technologies, Pune, India
- Created original SEO-friendly content, strengthening web traffic by 25%
- Directed a team of 10 writers to deliver 100+ articles per month, maintaining 98% on-time delivery rate and achieving a 95% client satisfaction score through rigorous quality control
- Managed multiple projects, ensuring stakeholder communication and project delivery timelines

TEAM PROJECTS

ADHShe   May 2024 - Aug 2024
University of Windsor, Windsor, ON
- Built MERN stack-based web application, focusing on improving user engagement through a dynamic and interactive interface
- Utilized MongoDB for efficient data schema design and data storage solutions
- Engineered RESTful APIs using Express.js for effective client-server communication
- Created responsive and interactive user interfaces with React.js, boosting user experience
- Integrated Node.js to manage server-side and networking applications, amplifying system performance

EcoHire   May 2024 - Aug 2024

University of Windsor, Windsor, ON

- Lead a team of 5 members to deploy Django-based platform designed to connect eco-conscious employers with job seekers
- Employed Django and Python for robust backend development, ensuring efficient data handling and application logic
- Designed and maintained frontend using HTML5, CSS3, and JavaScript, prioritizing accessibility and user-friendly design
- Brought to a 30% increase in platform user registrations and enhanced job placement efficiency for environmentally focused positions

Crop Yield Production Past and Future   Jan 2024 - Apr 2024

University of Windsor, Windsor, ON

- Devised strategies to enhance predictive capabilities in agricultural sustainability, supporting the UN's Sustainable Development Goal of Zero Hunger
- Executed machine learning methodologies (Gradient Boosting, Support Vector Regression, Decision Tree Regression), achieving a 95% accuracy in crop yield predictions
- Utilized Python and scikit-learn for model development and evaluation and Pandas for visualization, and Power BI for data presentation and insights