VIRAJ SHAH

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OBJECTIVE

Software developer with experience in full-stack development, Cloud, and AI looking to leverage my skills in PHP, JavaScript, Python, Azure, Kubernetes and TensorFlow to solve real-world problems and contribute to high impact projects in technology.

EDUCATION

Michigan State University   GPA: 3.75/4.0
Bachelor of Science in Computer Science, Minor in Data Science   *Aug. 2022 – May 2025*
- **Courses**: Data Structures and Algorithms, Computer Graphics, Database Management Systems, Machine Learning, Software Engineering, Artificial Intelligence, Probability and Statistics, Cloud Computing

TECHNICAL SKILLS

Languages: Python, Java, C#, C/C++, HTML, CSS, JS, SQL, PHP
Technologies: Drupal, OpenGL, PyTorch, TensorFlow, GCP, MongoDB, Linux

CERTIFICATIONS

Microsoft Azure AI Fundamentals (June 2024)

Microsoft Azure Fundamentals (July 2024)

Kubernetes and Cloud Native Associate (July 2024)

EXPERIENCE

Back End Developer Intern   June 2024 – August 2024
Total Reentry Solutions (TRS)   *Detroit, MI*
- Contributed to the development and optimization of backend infrastructure for TRS's integrated care platform, which provides formerly incarcerated individuals with access to housing, healthcare, and employment opportunities.
- Collaborated with senior developers to design, maintain, and enhance server-side logic, resulting in a 20% reduction in response time for critical services.
- Implemented deep learning models for predictive analytics and personalized care recommendations in collaboration with the data science team, improving the accuracy of care suggestions by 15%.
- Optimized database performance and ensured data security using MySQL and MongoDB Atlas, leading to a 30% increase in query efficiency and a 25% reduction in data retrieval times.

Web Development Intern   January 2024 – June 2024
Michigan State University Library   *East Lansing, MI*
- Took on the challenge of enhancing MSU Libraries website's functionality, focusing on the **Artists Books module**.
- Directed module development, collaborating across departments for design and implementation of advanced search and display features; improved search efficiency by 30%.
- Launched the module, elevating user experience and increasing website traffic by 25% in the first three months.

Resident Assistant   April 2023 – Present
Michigan State University SLE   *East Lansing, MI*
- Charged with creating a dynamic and supportive residential community for a Hall of 200 graduate and undergraduate students.
- Designed and executed over 15 community engagement programs per semester, coordinating with staff and leading a team of 5 for event planning.
- Fostered a vibrant community atmosphere, marked by a 40% increase in event participation and a 50% reduction in resident complaints.

PROJECTS

Journalingo ↗ | *Google Cloud, MondoDB Atlas, Flask, Bootstrap, JavaScript*   March 2024
- Awarded **Best Use of Auth0** at University of Chicago's annual hackathon: Uncommon Hacks.
- Created a webapp for tracking emotional well-being through video entries, employing Flask, HTML, JavaScript, and CSS.
- Integrated OpenAI's GPT-4, Whispr, and Hugging Face APIs for nuanced emotional analysis using facial recognition technology.
- Utilized Google Cloud and MongoDB for video storage and generating daily emotional analysis PDF reports.
- Developed a user-friendly interface, focusing on user engagement and intuitive interaction.

EcoIntelliSense ↗ | *HTML, CSS, JS, Flask, Auth0, Redis*   January 2024
- Conceived a web app to steer construction companies towards sustainable practices.
- Merged various APIs and databases for efficient material selection and resource management.
- Initiated an eco-friendly construction platform, setting the stage for future analytical advancements.

Jester.io ↗ | *HTML, Swift, Dart, Ruby, Kotlin, Objective-C, Python*   January 2024
- Revolutionized educational content into captivating short clips for social media.
- Collaborated in a team, merging machine learning and video editing for content transformation.
- Devised a unique platform that humorously repackaged lectures, garnering positive audience response.