HARSHA VARDHAN BOJANKI

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OBJECTIVE

Dynamic and detail-oriented Software Engineer with extensive experience in backend development, data analysis, and system optimization. Skilled in leveraging advanced programming languages and frameworks (Python, Java, Node.js, Django, React.js) to develop robust, scalable applications. Adept at predictive modeling and performance enhancement, with a proven track record of delivering projects that enhance user engagement and operational efficiency. Passionate about utilizing my expertise in machine learning, cloud infrastructure (AWS, Azure), and secure software practices to drive innovation and efficiency. Committed to fostering an innovative and inclusive work environment.

WORK EXPERIENCE

Graduate Teaching Assistant, Wright State University   **(Aug 2023 - April 2024)**

- Led lectures, discussions, and labs to enhance student understanding.
- Offered one-on-one assistance and constructive feedback.
- Collaborated on teaching materials to improve learning.
- Conducted research and integrated new security technologies and methodologies into the curriculum.

Full Stack Developer, Winfact Technologies Pvt Ltd   **(Mar 2019 - June 2022)**

- Expertise in front-end and back-end technologies, building web interfaces, and developing APIs.
- Collaborated with cross-functional teams and integrated agile and DevOps practices.
- Identified and optimized code for performance and troubleshooted technical issues.
- Implemented security best practices and vulnerability management processes to ensure secure application development.
- Developed and updated cloud templates and standards for AWS projects, enhancing security and efficiency.

IoT & Web Development Intern, Spatez Technologies   **(May 2017 - Aug 2018)**

- Developed and tested firmware , explored innovative solutions for IoT and embedded systems.
- Designed, implemented, and tested web applications, actively participated in development cycles, and adopted new technologies.
- Worked on cloud migration projects, developing infrastructure as code and deploying cloud solutions on AWS.

EDUCATION

Master of Science in Computer Science   **(Aug 2022 - April 2024)**
Wright State University, Dayton, Ohio

- Developed a machine learning model to classify and predict the trajectory of near-Earth objects.
- Developed a React Quiz Game App, implemented UI/UX and integrated APIs for content management.

Bachelor of Science in Electronics and Communication Engineering (Jun 2015 - May 2019)
Lendi Institute of Engineering and Technology, India

- Developed a comprehensive e-commerce platform, enhancing customer engagement and sales.
- Designed architecture for processing twin data streams for MIMO systems, improving efficiency.

Technical Skills

- **Languages:** Python, Java, JavaScript, C/C++
- **Frameworks:** Django, Node.js, React.js
- **CI/CD Tools:** Jenkins, Ansible, Terraform, GitHub Actions
- **Cloud Services:** AWS, Azure, GCP
- **Databases:** MySQL, PostgreSQL
- **Version Control:** Git, GitHub
- **Operating Systems:** Linux, Ubuntu

Projects

Predictive Modeling for Identifying Potentially Hazardous Asteroids
Wright State University, Aug 2023 - Dec 2023

- Led the development of a predictive model using machine learning to assess threats from asteroids, enhancing global space safety measures.

React Quiz Game Web App
Wright State University, Apr 2023 - Jul 2023

- Engineered a highly interactive quiz application using React.js, optimizing user experience with responsive design and RESTful API integration.

AN RADIX-2 FFT Architecture
Lendi Institute of Engineering and Technology, Oct 2018 - Mar 2019

- Innovated a Radix-2 FFT architecture to optimize data stream processing in MIMO systems, improving communication efficiency and reliability.

Total eCommerce Application
Lendi Institute of Engineering and Technology, May 2017 - Aug 2017

- Designed and implemented a comprehensive eCommerce platform, integrating front-end and back-end technologies to streamline online shopping experiences.