

JAAFAR SAFAR

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Objective

Aspiring for a computer science internship focused on software development and machine learning, eager to apply technical skills, contribute to innovative projects, gain practical experience, and further develop my capabilities in these dynamic fields.

Education

Highline College, Des Moines, WA

Associate of science in Computer Science

Relevant Coursework: Obj-Orient Prog I And II With Java, Data Science with Python, Web Development with JavaScript

Professional Experience

Math and Python Tutor, Highline College Tutoring Center

March 2022 - June 2022

- Enhanced student understanding and problem-solving abilities in math and Python through personalized tutoring sessions.

Data Specialist, Upwork Freelance

August 2022 - May 2023

- Streamlined data processes and extracted valuable insights for clients across various industries, significantly improving data accuracy and efficiency for business decision-making.

Web and Newsletter Coordinator, Highline College Thunderbirds

February 2023 - September 2023

- Managed and updated the Thunderbirds website and crafted engaging newsletters to keep the Highline College community informed and connected.

Projects

[Portfolio Terminal:](#)

- Developed a unique, terminal-style portfolio website using pure HTML, CSS, and JavaScript, without external libraries. This interactive command-line interface format showcases projects and skills dynamically.

[Embedded Deep Learning on Raspberry Pi 4](#)

- Led a collaborative team in the development of AI-driven applications for image-based input processing and voice-controlled systems on a Raspberry Pi. Utilized TensorFlow and OpenCV to create innovative solutions that include numerical detection and equation solving with enhanced performance due to optimized image processing.

[Stable Diffusion Generative AI Full Stack Web App](#)

- Orchestrated the development and deployment of a full-stack application that integrates with the Stable Diffusion AI model. Managed all aspects of the project to ensure a seamless user experience from a React front-end to an AWS-powered back-end, emphasizing scalable, serverless operations and responsive design.

[Face Recognition Web App with Django ML](#)

- Spearheaded the development of a web-based face recognition and emotion detection system. This project employed Django with integrated machine learning models and OpenCV for real-time data processing, focusing on creating dynamic, real-time user interactions and robust back-end data handling.

Technical Skills

Programming Languages: Python, Java, HTML, JavaScript, CSS, C++, R, SQL

Technologies and Frameworks: MySQL, MongoDB, Postgres, Apache Spark, Django, Hadoop, MapReduce, pig, TensorFlow, Scikit-Learn, OpenCV, Flask, Apache airflow, Docker, AWS, Git, Linux/Unix, React.js, node.js, Microsoft Office

Certifications

Foundations of Data Science by Google: I gained knowledge in data analytics, decision-making impact, data ethics, and team-focused project planning.

DeepLearning.AI "Machine Learning Specialization": I refined ML skills with NumPy and TensorFlow, explored various techniques, and developed recommender and reinforcement systems.