Rohan Sharma

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Education

MASTER OF SCIENCE | 2022-2024 | BLEKINGE INSTITUTE OF TECHNOLOGY

- Major: Software Engineering

BACHELOR OF TECHNOLOGY | 2016-2020 | JECRC

- Major: Information Technology

Skills & Abilities

TECHNICAL

- Java, Python, C/C++, HTML, JavaScript, React.js, Node.js, Express.js, CSS, MongoDB, PostgreSQL, DBMS, Artificial Intelligence/Machine Learning, Linux, Data Structures, Docker, Kubernetes

COMMUNICATION

- English – Fluent
- Hindi – Native
- Swedish - Beginner

Experience

INTERNSHIP | YOUSTART | 2021

- Developed a dynamic full-stack blog website, proficiently using JavaScript, CSS, Bootstrap and React framework ensuring a seamless user experience and robust functionality. Implemented RESTful APIs and integrated MongoDB to deliver a responsive website.

Projects

- **FACE DETECTION MODEL**

  Developed a high-accuracy deep face detection model using Python and Tensorflow. Applied neural network architecture to enhance accuracy and efficiency. Integrated real time video analysis improving facial recognition capabilities and ensuring seamless performance in dynamic environments.

- **DIGITAL BOOK LIBRARY**

  Developed a MERN stack digital library app with CRUD functionality, real time weather, daily book quotes, and file uploads for wish listed book. Utilized Node.js, Express.js, React.js, and MongoDB and integrated external APIs. Deployed the application with the help of Kubernetes.

- **AI GAME**

  Implemented a neural network to train the self-learning Snake Game AI project using reinforcement learning, where an intelligent model autonomously trained to play the game, demonstrating continuous improvement. Implemented the solution using Python and Pytorch.

- **AI IMAGE GENERATOR**

  Developed a React based website featuring DALL-E integration, allowing users to input prompts and dynamically generate images, fostering community engagements by enabling sharing of uniquely generated content.

- **IMAGE RECOGNITION**

  Created a high accuracy image classifier using Python, Keras, and Tensorflow. Integrated seamlessly into a MERN app, enabling users to upload images for instant and accurate identification.

Certificates

- Linux
- Docker
- Full Stack Development (MERN)