Vedansh Sharma

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EDUCATION

Bachelors In Computer Science

Minor in Machine Learning and React • Jaypee Institute of Information Technology, Noida (JIIT Noida) • Noida, India • 2024

EXPERIENCE

Front-end and Business Intern

SEVA (Sanmarg Engineering Validation and Assessment) Pvt. Ltd. **June 2023 -August 2023, Noida, India**

- Digital retransformation of SEVA Website.
- Added a registration form submission page to the website and integrated it with Google sheets database.
- Job Request Resolution: Successfully resolved 50+ assigned job requests within specified timeframes. Demonstrated problem-solving skills in addressing a variety of technical issues.
- Developed new interactive user interface elements to improve user experience (UX) with HTML, CSS, JavaScript, increasing efficiency of work by 20%.

Research Intern

Smartknower **January 2022 - February 2022, Virtual**

- Learned Machine Learning various algorithms like Sci-kit Learn, Linear Regression, Gradient Descent.
- Implementation of these algorithms through two team projects (TensorFlow, Boston-House Dataset Prediction).
- This internship encompassed two distinct parts: (1) Training and Learning (2) Project Building.

SKILLS

C/C++, DATA STRUCTURES,VISUAL STUDIO, Linux, OOPS (Object Oriented Programming), SDLC, Agile, Scrum.

FrontEnd: HTML, CSS, WEB-DEVELOPMENT, WIX WEB-BUILDER, UI/UX DESIGN(FIGMA), JavaScript.

BackEnd: PYTHON, MySQL, MACHINE LEARNING, TENSORFLOW.

SOFT SKILLS - Teamwork, Problem Solving, Time Management, Flexibility, Collaborative, Communication Skills

PROJECTS

Mayo Clinic Strip - AI (Kernel Programming) - Kaggle

JIIT • https://github.com/Vedansh0412/Mayo-clinic • September 2022 - December 2022

- Devised a Python algorithm utilising the CNN (Convolutional Neural Networks) VGG-16 Model.
- Achieved image classification for high-resolution images, empowering healthcare professionals to precisely identify the sources of blood clots in fatal strokes. This empowers enhanced post-stroke therapeutic management, effectively reducing the risk of subsequent strokes.
- Attained an exceptional accuracy rate of about 83.6% in distinguishing between images with and without clots.
- Demonstrated the model's efficacy by consistently delivering pinpoint results, highlighting its pivotal role in medical diagnostics and decision-making.
- Utilised proprietary packages such as Keras and TensorFlow for data parsing and accurate image recognition.

Diabetes Prediction

Coding Blocks • https://github.com/Vedansh0412/Diabetes_Prediction-Using-KNN • April 2023 - June 2023

- Implemented the KNN algorithm in a diabetes prediction model, utilising diverse factors from CSV data such as pregnancies, glucose levels, blood pressure, etc. to determining disease presence based on calculated values.
- Achieved a prediction accuracy through the combined utilisation of the KNN algorithm and other regression models.
- Processed and analysed instances of data to enhance the model's precision.

COURSEWORK

C/C++, Data Structures & Algorithms, Introduction to Machine Learning, Software Engineering, Big Data, DataBase Management, Operating Systems, Web - Development, Open-Source

Jaypee Institute of Information Technology • Used concepts of machine learning of image classification in minor project.

Machine Learning Fundamentals

Coding Blocks • 2023 • Concepts of machine learning: Regression Models, Facial Recognition, Neural Networks

Building Projects individually assigned during the course of time.

CERTIFICATIONS

Certificate of Participation

Flipkart Grid 5.0 • 2023

An all-India level coding competition