

Vineet Kaur Panesar

Phone. No. -8146670151

E-mail- vineetkaur462@gmail.com

OBJECTIVE:

Enthusiastic and detail-oriented final year student of Bachelors Vocational Degree in Artificial Intelligence and Data Science. Eager to leverage my sides in UI/UX to contribute effectively in a dynamic team. Seeking an entry-level position that allows for professional growth and the application of the academic knowledge in real world scenarios.

EDUCATION:

Matriculation- DIPS KAROL BAGH 85.6%

Post- Matriculation- DIPS KAROL BAGH 95.6% (Commerce)

Bachelors Degree (Artificial Intelligence and data science) - Kanya Maha Vidyalaya, Jalandhar with 82.2% till 5th semester.

ACADEMIC PROJECTS:

SEM I - Exploratory data analysis of Workplace safety.

SEM II - School Admission system with python and MYSQL databases.

SEM III- Regression model using python and datasets.

SEM IV- R language data analysis.

SEM V – Netflix Stock price Prediction using WEKA software.

SEM VI – Opti Care AI Assistants

SKILLS:

UI/UX Designing, Figma, Adobe Photoshop, HTML, CSS, Search Engine Optimization, Python, R language, Machine Learning, Data Analysis, Natural Language Processing, MYSQL Databases, Microsoft Office, Problem- Solving , Tableau- Data Visualization, Statistics, deep learning, Word press, Chat bots, Website maintenance, Botpress.

SOFT SKILLS:

Creative, Emotional Intelligence, Time- Management, Adaptability, Decision-Making, Organization, Teamwork.

COMMUNICATION SKILLS: English- Fluent, Punjabi- Expert, Hindi- Fluent.

CERTIFICATE COURSES:

Introduction to Data Science- CISCO Networking Academy. June 12, 2023.

WORK EXPERIENCE:

UI/UX designing and development of the website for an ecommerce clothing store:

Designed the wireframes and prototype for web/mobile applications for online Ecommerce store for a leading Fashion Boutique. The Wireframes and visual designs were created using Figma. Worked closely with development and testing team members to develop the Ecommerce site Validated and tested the application and ensured the development is as per the finalised requirements.

Search Engine Optimization:- I've successfully implemented SEO strategies for two websites, achieving an impressive SEO rate of over 95% for each. By meticulously optimizing on-page elements such as Meta tags, headings, and content, as well as off-page factors like backlinks and social signals, I've significantly boosted the visibility and ranking of these websites in search engine results pages (SERPs). Through keyword research, competitor analysis, and continuous monitoring and refinement, I've ensured that both websites maintain high levels of organic traffic and engagement. This exceptional SEO performance underscores the effectiveness of strategic optimization techniques in driving online success.

Spam Classification Project using Python and Machine learning: In my spam classification project, I leveraged Python and machine learning techniques to develop an efficient spam detection system. Employing libraries like scikit-learn and Tensor Flow, I pre-processed and vectorize text data, trained various classifiers such as Naive Bayes, SVM, and neural networks. Utilizing techniques like feature engineering and cross-validation, I optimized model performance. Additionally, I integrated techniques like TF-IDF for better feature representation. The project aimed to accurately distinguish between spam and non-spam messages, contributing to better email filtering and user experience.

Question- Answering Model using python and machine learning: One such application is question answering (QA) systems, which automate the process of answering questions based on a given context or document. In this project, I leveraged Python programming language along with machine learning techniques to develop a question-answering system capable of extracting answers from paragraphs or documents.

Frozen Lake Reinforcement Learning using Python and machine learning: In this project, we utilized Python programming language along with RL techniques to train an agent to navigate a frozen lake and reach the goal without falling into any holes.

1. Python: Python serves as the primary programming language for implementing the Frozen Lake game and reinforcement learning algorithms.

2. OpenAI Gym: OpenAI Gym is a toolkit for developing and comparing reinforcement learning algorithms. It provides various environments, including the Frozen Lake environment, to test and train RL agents.
3. Reinforcement Learning Algorithms: We employed Q-Learning or Deep Q-Networks (DQN) to train the agent. Q-Learning is a simple RL algorithm that learns a policy by estimating the value of taking actions in each state, while DQN uses deep neural networks to approximate the Q-values, enabling better performance in complex environments.
4. Numpy: Numpy is used for numerical computations and handling multi-dimensional arrays, which are essential for representing the environment and Q-values.

Face Detection using Python: In my face detection project, I utilized Python and Machine Learning techniques to develop robust algorithms for identifying and locating faces within images or video streams. Leveraging libraries such as OpenCV and scikit-learn. Python's versatility allowed seamless integration of pre-processing steps, model training, and evaluation. Through this project, I aimed to create a reliable tool for applications ranging from security systems to augmented reality experiences, showcasing the power of Python and ML in computer

Hand Detection using Python: In my hand detection project, I leveraged Python and machine learning techniques to accurately identify and track hands in images or videos. Using libraries such as OpenCV and scikit-learn, I developed robust algorithms for detecting key hand features and distinguishing them from the background. By training models on labeled hand datasets, I optimized their performance, ensuring high accuracy even in varied lighting and background conditions. This project integrates image processing, feature extraction, and classification methodologies, providing a versatile tool for applications ranging from gesture recognition to augmented reality interfaces.

Website Building For Arora Eye Hospital & Retina Centre:

- Worked on multiple Online Web Based Portals for a Leading Eye Care Speciality Hospital.
- Creating and Finalising UX/UI for the web portal
- Customized Wordpress as per the client requirements
- Integrated with Chatbot application which would help the patients to book an appointment at the same time it would recommend remedial health eye tips based on the problems and issues specified by the patients.
- Botpress database was used to store the key data points which would help in making data driven decisions and enable staff to view and approve the appointments requested by the patients

Student Registration System:- I've developed a comprehensive student registration system using Python and MySQL, offering efficient management of student records. This system allows administrators to add new students by inputting their particulars, facilitating easy

registration. Additionally, it includes functionality to remove records of students who have left the institution, ensuring the database remains up-to-date. The system also enables seamless updating of student data, allowing for changes in personal information or academic status to be accurately reflected.

Combining the power of Python for backend logic and MySQL for robust data storage, this system provides a user-friendly interface for administrators to navigate through student records effortlessly. Python's versatility enables rapid development and integration of features, while MySQL ensures data integrity and reliability. Overall, this student registration system streamlines administrative tasks and enhances organizational efficiency in educational institutions.

VIRTUAL INTERNSHIPS OF FORAGE:

ACCENTURE – Data Analytics and Visualization Job simulations

JP MORGAN CHASE & CO. –Excel Skills job simulations

COGNIZANT- Artificial Intelligence Job simulations

EXPERIENCE:

AI developer Intern - Arora Eye Hospital & Retina Centre.