Sanchary Nandy

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PROFESSIONAL SUMMARY

Highly motivated tech enthusiast with expertise in Machine Learning and Web Development. I excel in leveraging advanced machine learning techniques to solve complex problems and drive innovation. I specialize in natural language processing (NLP) models using TensorFlow and PyTorch. Additionally, I possess strong web development skills, creating responsive and user-centric web applications with proficiency in HTML, CSS, JavaScript, and Python. My collaborative approach, continuous learning, and track record of project success make me a valuable asset in data-centric and web development teams. I am eager to contribute my expertise to cutting-edge projects that blend AI and web development to make a meaningful impact.

EXPERIENCE

Bharat Intern, Remote — *Machine Learning Intern*

SEPTEMBER 2023 - PRESENT

I am actively involved in advancing the company's AI capabilities. Collaborating with a skilled team of data scientists and engineers, I contribute to cutting-edge machine learning projects aimed at enhancing model accuracy and efficiency. My responsibilities encompass data collection, preprocessing, and augmentation, with a focus on natural language processing (NLP) models for sentiment analysis and text classification. Leveraging TensorFlow and PyTorch, I develop and evaluate deep learning models, consistently staying updated with industry trends through literature reviews. I also play a role in model deployment, presenting research findings to stakeholders, and creating technical documentation to foster knowledge sharing within the team.

Dabotics, Remote — *Web Development Intern*

JULY 2023 - AUGUST 2023

Collaborated on responsive projects, participated in the full project lifecycle from design to deployment, and gained proficiency in HTML, CSS, and JavaScript. I also assisted in troubleshooting and maintenance tasks, actively seeking feedback for continuous improvement.

Intel, Chandigarh University — *Intel Trainee*

JUNE 2023 - JULY 2023

During my Intel internship, I maximized invaluable resources, using tools like Orange, Anaconda, Visualization, Computer Vision, and Natural Language Processing to deepen my grasp of vital technologies in today's digital world. This equipped me with expertise to tackle real-world tech challenges and build a strong foundation across diverse domains through guidance from industry experts.

SKILLS

- Python
- C
- C++
- HTML
- CSS
- JAVASCRIPT
- ARTIFICIAL INTELLIGENCE
- MACHINE LEARNING
- DEEP LEARNING
- JAVA
- SQL
- DATA MINING
- SOFT SKILLS

ACHIEVEMENTS

- Published a Research Paper named “Skin Disease Detection Based on Machine Learning”. (2023)
- Won Inter Department Hackathon in College.
- Participated and won various Debate, Quiz Competitions at school level.
- Grade Scholar for consecutive 3 years at school level. (2018-2021)

Feynn Labs, Remote — *Machine Learning Intern*

JANUARY 2023 - MARCH 2023

During my time as a Machine Learning Intern, I gained practical insights into AI and ML's real-world applications. Working on projects addressing tangible challenges showcased the rapid advancements in these fields. I also explored concepts like market segmentation, gaining valuable experience in applying innovative solutions to real-world problems.

EDUCATION

Chandigarh University, Punjab — *BE CSE AIML*

AUGUST 2021 - PRESENT

BE CSE(HONS.) with specialization in AI ML

Delhi Public School, Dehradun— CBSE, XII

2020 - 2021

CBSE 12th Percentage: 95%

(PCM with Computer Science)

Delhi Public School, Dehradun — CBSE, X

2018 - 2019

CBSE 10th Percentage: 97%

PROJECTS

Skin Disease Detection Based on Machine Learning

Developed a fusion-based convolutional neural network (CNN) model to identify skin diseases. Combined traits from deep and superficial strata for improved accuracy. Enhanced classification through modeling, upsampling, and parameter optimization.

McDonalds Market Segmentation Analysis Using Machine Learning

I conducted a market segmentation analysis for McDonald's using machine learning. This project involved analyzing diverse data sets to identify customer segments based on demographics, behaviors, and consumption patterns. The insights gained aided in refining McDonald's marketing strategies and optimizing customer experiences in the fast-food industry.

Market Segmentation Analysis for EV Market

This project employed machine learning techniques to conduct a market

CERTIFICATIONS

- Machine Learning Internship, Feynn Labs.
- Web Development Internship, Dabotics.
- NPTEL Certification for the course - “Introduction to C++”.
- International Journal of Scientific Research in Science, Engineering and Technology.
- Google Play Academy Certificate
- Coursera Certification for the course-”Innovation through Design”, The University of Sydney Business School.
- UAE AI Camp 5.0 Certification.

segmentation analysis within the Electric Vehicle (EV) market. By analyzing data related to consumer preferences, geographical factors, and purchasing behavior, the project aimed to identify distinct market segments. The insights gleaned from this analysis provided valuable guidance for EV manufacturers and stakeholders to tailor their strategies, marketing efforts, and product offerings to specific consumer segments, contributing to the growth and sustainability of the EV industry.

Energy Consumption Forecasting using Orange

This project involves utilizing Orange, a potent data analysis and machine learning tool, we've created a robust energy consumption forecasting model. Leveraging historical data and Orange's capabilities, our goal is to produce precise energy usage predictions. This model supports load balancing, demand response initiatives, cost optimization, and sustainable energy management—all accessible via Orange's user-friendly interface.

Responsive Website Layout

I passionately crafted a captivating and responsive website layout for "Homey Creations," a brand specializing in handcrafted home decor. This project allowed me to explore artisan craftsmanship, enhancing the visual appeal of handmade decor items from concept to execution.

QR Code Generator

This project involved creating a QR code generator using HTML, JavaScript, and CSS. It allowed me to develop a tool that could encode data into QR codes while ensuring an intuitive and visually appealing user interface.

Cloning Website Layout

Cloned the Discord website layout, showcasing advanced web development skills. Proficiently utilized frontend and backend technologies, including HTML, CSS, JavaScript, and more. Gained expertise in user interface design and responsive web development. Strengthened problem-solving and technical skills through this challenging project.

Student Registration System

The project involved a student registration system wherein all the student details were stored and managed accordingly. This system was built using Python and SQL

LANGUAGES

English, Hindi, Bengali.