Samarth Vohra

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Ghaziabad

EDUCATION

B.Tech, Computer Science & Engineering

JIMS Engineering Management Technical Campus (JEMTEC)

2021 - 2025

Senior Secondary (XII), Science

Indirapuram Public School, Plot No 6 Nayaya Khand I Indirapuram Ghaziabad Uttar Pradesh

(CBSE board)

Year of completion: 2021

Percentage: 88.60%

Secondary (X)

Indirapuram Public School, Plot No 6 Nayaya Khand I Indirapuram Ghaziabad Uttar Pradesh

(CBSE board)

Year of completion: 2019

Percentage: 91.00%

WORK EXPERIENCE

Software Development

LG Electronics Pvt. Ltd., Greater Noida

Internship • Jul 2024 - Jul 2024 (1 month)

- Worked on industrial standards and DBMS concepts.
- Developed Inventory Management System (ASP.NET, MSSQL).
- Created Product Matching System (Python, Django).
- Enhanced skills in web development and project management.

Machine Learning

Slash Mark, Virtual

Internship • Feb 2024 - Mar 2024 (1 month)

Built Machine Learning Models
Learnt advanced concepts of NLP, Computer Vision

Data Science

Oasis Infobyte, Virtual

Internship • Dec 2023 - Jan 2024 (1 month)

Built many models to analyze and visualize data
Used AI Concepts to improve functionality
Conceptualized Deep Learning and Machine Learning Concepts

Machine Learning

Bharat Intern, Virtual

Internship • Dec 2023 - Jan 2024 (1 month)

Built many models to analyze and visualize data and find patterns
Used AI Concepts to improve functionality
Conceptualized Deep Learning and Machine Learning Concepts

Data Science

CipherByte Technologies, Virtual

Internship • Dec 2023 - Jan 2024 (1 month)

Built many models to analyze and visualize data
Used AI Concepts to improve functionality
Conceptualized Deep Learning and Machine Learning Concepts

POSITIONS OF RESPONSIBILITY

Led a team of 20+ individuals as Head of Music Society of my college into multiple events in different categories of music

TRAININGS

Career Essentials In Data Analysis By Microsoft And LinkedIn

Microsoft, LinkedIn, Online

Jul 2024 - Jul 2024

The "Career Essentials in Data Analysis" course by Microsoft and LinkedIn equips learners with key skills in data analysis. It covers essential topics such as data cleaning, statistical analysis, and data visualization. Participants learn to use tools like Excel and Power BI to interpret data and make data-driven decisions. The course emphasizes the importance of analytical thinking and provides practical experience in transforming raw data into actionable insights. It's ideal for those seeking to start or advance their career in data analysis by building a strong foundation in key analytical techniques and tools.

Microsoft Copilot For Productivity By Microsoft And LinkedIn

Microsoft, LinkedIn, Online

Jul 2024 - Jul 2024

The "Microsoft Copilot for Productivity" course by Microsoft and LinkedIn focuses on enhancing productivity through Microsoft's AI-powered tools. It introduces how to use Microsoft Copilot integrated into applications like Word, Excel, and Outlook. The course covers practical applications, such as automating repetitive tasks, generating content, and leveraging AI to make data-driven decisions. Participants will learn how to effectively integrate Copilot features to streamline workflows, improve efficiency, and boost overall productivity in professional settings.

Career Essentials In Cybersecurity By Microsoft And LinkedIn

Microsoft, LinkedIn, Online

Jun 2024 - Jul 2024

The "Career Essentials in Cybersecurity" course by Microsoft and LinkedIn offers a comprehensive introduction to the field of cybersecurity. It covers fundamental concepts including network security, risk management, and threat detection. Participants learn about essential tools and techniques used in cybersecurity, such as firewalls and encryption. The course also emphasizes the importance of compliance and ethical considerations in protecting information. Ideal for those looking to start a career in cybersecurity, it provides foundational knowledge and practical skills to secure and protect systems and data from cyber threats.

Career Essentials In Generative AI By Microsoft And LinkedIn

Microsoft, LinkedIn, Online

Jan 2024 - Feb 2024

The "Career Essentials in Generative AI" course by Microsoft and LinkedIn provides a comprehensive introduction to the field of generative AI. It covers foundational concepts and techniques in creating AI models that generate new content, such as text, images, and more. The course explores the application of models like GPT and GANs (Generative Adversarial Networks), and emphasizes practical skills in developing and deploying AI solutions. Participants will gain an understanding of the underlying technology, use cases, and ethical considerations, preparing them for roles involving advanced AI technologies.

Machine Learning Fundamentals

Microsoft, Online

Oct 2023 - Present

In this self paced free course provided by Microsoft, I am provided with elaborated notes and video lectures which enhance my knowledge in the field of Machine Learning.

Machine Learning

Amazon Web Services(AWS), Online

Oct 2023 - Present

In this self paced free course provided by Amazon, I am provided with elaborated notes and video lectures which enhance my knowledge in the field of Machine Learning.

Scientific Computing With Python

FreeCodeCamp, Online

Oct 2023 - Nov 2023

In this course, I was provided with 5 tasks to be presented for the completion of the certification. I was

provided with a detailed study package, which proved crucial for my understanding and advanced implementation of Python Programming Language

Machine Learning With Python

FreeCodeCamp, Online

Oct 2023 - Nov 2023

In this course, I was provided with 5 tasks to be presented for the completion of the certification. I was provided with a detailed study package, which proved crucial for my understanding and advanced implementation of Python Programming Language and it helped crucial in the development of Machine Learning Models.

PROJECTS

Inventory Management System

Jul 2024 - Jul 2024

https://github.com/samvlp03/Inventory-Management-System.git

Inventory Management System: Developed using ASP.NET, this system efficiently manages product data by displaying essential details such as ProductName, Model, and LastUpdated. It includes functionalities for searching by Category and Model, editing product information, and updating the display with the latest entries. Features also include user authentication, search functionality, and integration with cookies and APIs. It offers a simple, elegant interface and ensures accurate tracking of inventory with real-time updates and user-friendly management options.

Product Matching System

Jul 2024 - Jul 2024

https://github.com/samvlp03/ProductMatching.git

Product Matching Project: Created using Django and MySQL, this project facilitates barcode scanning and product verification. The system dynamically displays a table with product details, including Category, Model, PartNo, and SerialNo. It verifies scanned barcodes against the database, highlighting matches with "OK" (in green) and mismatches with "NG" (in red). It also includes a section showing detailed product information upon a successful match. The project features a responsive design, intuitive navigation, and real-time validation, making it a robust tool for accurate product identification and management.

Black Friday Sales Prediction Model

Jan 2024 - Feb 2024

https://github.com/samvlp03/Black-Friday-Sales-Prediction.git

Black Friday Sales Prediction Model: This model uses historical sales data and various predictive analytics techniques to forecast sales on Black Friday. By analyzing

features such as previous sales trends, customer demographics, and promotional activities, the model predicts sales volume and patterns. It incorporates machine learning algorithms like regression or classification to provide actionable insights for inventory management, marketing strategies, and resource allocation. The goal is to optimize sales strategies and improve decision-making for retailers during the peak shopping period.

Handwritten Digit Classification Model

Dec 2023 - Jan 2024

https://github.com/samvlp03/Digit-Classification.git

A digit classification model recognizes handwritten digits (0-9) using machine learning, typically leveraging the MNIST dataset, which contains 60,000 training and 10,000 testing images of 28x28 pixel grayscale digits. The model usually includes 784 neurons (flattened 28x28 image), Dense layers with ReLU activation, e.g., 128 neurons and 64 neurons, 10 neurons with softmax activation for digit classification. Training involves forward propagation to make predictions, calculating loss with functions like sparse categorical cross-entropy, and backpropagation to adjust weights. The model is trained for multiple epochs, refining its accuracy. Post-training, the model is evaluated on the test dataset, comparing predicted labels to true labels and calculating the accuracy, aiming for over 98%. Applications include digit recognition in scanned documents, postal code reading, and educational tools.

Iris Classification Model

Oct 2023 - Dec 2023

https://github.com/samvlp03/Iris_Classification.git

An Iris classification model classifies iris flowers into three species (Setosa, Versicolor, and Virginica) based on their sepal and petal measurements. The model uses the Iris dataset, comprising 150 samples with four features: sepal length, sepal width, petal length, and petal width. The architecture typically involves a simple neural network with an input layer of 4 neurons (one for each feature), one or more hidden layers with ReLU activation, and an output layer with 3 neurons and softmax activation for class probabilities. Training involves forward propagation, loss calculation using categorical cross-entropy, and backpropagation for weight adjustment. After training for several epochs, the model is evaluated using test data, aiming for high accuracy in species prediction. This model is widely used in machine learning education and applications requiring botanical classification.

SKILLS

Python
Advanced

Machine Learning
Intermediate

English Proficiency (Written)
Intermediate

MySQL
Intermediate

C++ Programming
Beginner

Music
Intermediate

Artificial Intelligence
Intermediate

Deep Learning
Beginner

Data Analytics
Beginner

Data Structures
Intermediate

CSS
Intermediate

Canva
Beginner

Effective Communication
Intermediate

.NET
Beginner

Django
Intermediate

MS-Excel
Intermediate

MS-Word
Intermediate

Robotic Process Automation (RPA)
Intermediate

SQL
Intermediate

C Programming
Beginner

Java
Beginner

Guitar
Intermediate

Database Management System (DBMS)
Beginner

Neural Networks
Beginner

Data Science
Intermediate

HTML
Intermediate

JavaScript
Intermediate

Interpersonal Skills
Intermediate

C#
Beginner

Flask
Intermediate

MS SQL Server
Intermediate

MS-PowerPoint
Intermediate

Natural Language Processing (NLP)
Intermediate

Computer Vision
Intermediate

WORK SAMPLES

GitHub link

https://github.com/samvlp03