ARYA NIGAM

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EDUCATION

Hindustan College Of Science And Technolog, Mathura, U.P. — June 2025
Bachelor of Technology [Computer Science & Engineering] — 7.28 SGPA
Coursework: Networking, Python, OS, DSA, Oops, Computer Vision

Roy Vidya Vihar, Agra, U.P. — 2020
Senior Secondary (XII), Science — 82.30 %
Coursework: Physics, Chemistry, Mathematics

Agra Vanasthali Vidyalaya, Agra, U.P. — 2018
Secondary (X), Science — 79.00 %
Coursework: Physics, Chemistry, Mathematics

SKILLS & PROFICIENCIES

Programming Languages & Libraries: Python, NumPy, Pandas, Matplotlib, C Programming, SQL, MATLAB
Data Science & Analysis: Data Science**,** Data Analysis and Visualization, Machine Learning, Tablue
Database Management: MySQL, SQLite
Frameworks: Django
Soft Skills: Critical Thinking, Analytical Skills, Problem Solving, Adaptability, Continuous Learning, Collaboration and Communication, Teamwork and Cross-functional Collaboration

PERSONAL PROJECTS

Demographic Data Analyzer [Python, NumPy, Pandas**]**
Objective: Utilized Pandas to analyze demographic data extracted from the 1994 Census database, demonstrating proficiency in Python data manipulation and analysis.

Key Responsibilities and Achievements:

- Applied Pandas library to answer various analytical questions, including demographic distribution, average age calculations, and educational attainment percentages.
- Ensured accuracy and precision by rounding all decimals to the nearest tenth.

Neural Network SMS Text Classifier [Python,TensorFlow, Google Colaboratory**]**
Objective: Developed a machine learning model using Google Colaboratory to classify SMS messages as either "ham" or "spam", showcasing proficiency in natural language processing and neural network modeling.

Key Responsibilities and Achievements:

- Implemented a neural network-based text classification model to distinguish between "ham" and "spam" messages.
- Created a function called predict_message that accepts a message string as input and returns the likelihood of "ham" or "spam" along with the corresponding label.

Technical Skills Demonstrated: Natural Language Processing (NLP), Neural Network Modeling, Programming

CERTIFICATIONS

Machine Learning With Python, FreeCodeCamp
Completed a comprehensive course on Machine Learning with Python, gaining expertise in TensorFlow and advanced techniques like natural language processing and reinforcement learning. Learned to build and evaluate deep, recurrent, and convolutional neural networks. Proficient in data handling, model training, classification, clustering, and making probabilistic predictions.

Data Analysis With Python, FreeCodeCamp
Learned Python, SQL, and open libraries like Numpy, Pandas, Matplotlib, and Seaborn. Master data extraction from CSVs and SQL, processing with Numpy and Pandas, and visualization with Matplotlib and Seaborn. Gain proficiency in Jupyter Notebooks.

ACHIEVEMENTS

Secured rank 1 in zonal interschool level chess competition.

POSITIONS OF RESPONSIBILITY

I have lead a team of 30+ ACOTs as Chief Organizer for "Gyan Jyoti" college event 2024. Organized Chess Championship (60+ players). also managed Debate and Extempore Competition as Head of Literary & Fine Arts club.