

Tirth Gupta

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Career Objective

The objective is to continue learning and developing skills to contribute to innovative efforts and push the boundaries of technology. The goal is to bring about substantial change and excellence in the web Data Science industry by collaborating with talented individuals and taking on new challenges. Additionally, being a strong, competent leader who can adapt to new conditions while continuing to learn and develop is a key attribute.

Education

SNS College Of Technology

Bachelor of Technology

Major in Artificial Intelligence and Machine Learning

Cumulative GPA : 8.4

Coursework : Artificial Intelligence, Machine Learning , Operating System , Data Structure and Analysis of Algorithms , DBMS

Coimbatore

2021-2025

Professional Experience

Project Intern, Tecnovolt Software Pvt Ltd [Hybrid]

Jun – Jul 2024

- Implemented data normalization and feature engineering techniques to improve model performance
- Received positive feedback from supervisors and team members for technical skills and collaborative approach

AI/ML Intern, InternPe [Virtual]

Feb – Mar 2024

Utilized algorithms such as linear regression, logistic regression, decision trees, random forests, and deep learning models

- Assisted in user testing and feedback loops to improve the AI/ML models based on user interaction

Software Development Trainee, Acentz Technologies [Virtual]

Jul – Aug 2023

- Preprocessed data using Pandas, NumPy & Scikit-learn, achieving a 95% reduction in data cleaning time and a 2% improvement in model training efficiency
- Created a project on "Heart Disease Prediction" using a sample dataset and an accuracy of 87% F1 - Score

Projects

Personality Prediction Using CV

- Developed a machine learning model to predict personality traits based on candidate CVs, aimed at assisting HR departments in pre-screening candidates.
- Technologies Used: Python, scikit-learn, Pandas, TensorFlow, and Jupyter Notebook.

Heart disease Prediction using Machine Learning

- Employed various machine learning algorithms, including Logistic Regression, Decision Trees, and Neural Networks, to classify patients at risk of heart disease. Leveraged medical datasets containing patient demographics, clinical features, and historical medical records.
- Technologies Used: Python, seaborn, streamlit, scikit-learn, Pandas, Numpy, Matplotlib, Jupyter Notebook.

Diabetes Prediction using Machine Learning

- Utilized various machine learning algorithms, including Logistic Regression, Support Vector Machine, and Gradient Boosting, to create a predictive model based on features such as age, BMI, blood pressure, and glucose levels.
- Technologies Used: Python, seaborn, Standard Scaler, Support Vector Machine, Confusion Matrix, Jupyter Notebook

SMS Spam Detection

- Leveraged natural language processing (NLP) techniques and various machine learning algorithms to analyze and classify text messages.
- Technologies Used: Python, scikit-learn, Pandas, NumPy, Jupyter Notebook, and data visualization tools like Matplotlib and Seaborn.

Movie Recommendation System

- Implemented collaborative filtering, content-based filtering, and hybrid models to generate personalized movie recommendations. Utilized techniques such as matrix factorization, cosine similarity, and neural networks.
- Technologies Used: Python, scikit-learn, Pandas, NumPy, TensorFlow/Keras, Surprise library, and data visualization tools like Matplotlib and Seaborn.

Certificate And Achievement

- Introduction To Industry 4.0 And Industrial Internet Of Things – Elite + Silver (NPTEL)
- Journal Published in International Journal of Advance Research in Computer and Communication Engineering (IJARCCE)
- All Rounder Performer Winner (Silver) of 2022 – 2023
- Completed projects for Tata, Accenture, Cognizant, BCG X and JP Morgan Chase and Co.
- Won 2+ Coding and Ideathon in National Technical Symposium
- Completed 5+ MOOC Courses in various online learning platform.
- Conducted 3+ Design Thinking Bootcamp for School Students

Skills And Interests

Technical: Python, Machine Learning, Data Science, MS Office, Code Debugging, MySQL, HTML, Figma

Language: English[R/W/S], Hindi[R/W/S], Tamil[S]

Soft Skills: Leadership, Communication, Problem Solving, Critical Thinking, Detail-Oriented, Time Management