



Sahil Yadav

Bachelor of Technology
in Electrical Engineering
Indian Institute Of Technology, Ropar

+91-7082064030
2022eeb1210@iitrpr.ac.in
LinkedIn

EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	7.34 (Till 5th Sem)	2022-present
Senior Secondary	Central Board of Secondary Education	88.2%	2021
Secondary	Central Board of Secondary Education	91.6%	2019

PROJECTS

- **Analysis on Diabetes, stroke, Iris, Credit Score Datasets** May 2024 - June 2024
Machine Learning Project based on Data Analysis **Github**
 - Performed exploratory data analysis on 4 datasets with over 10,000 observations each, preprocessed the data, and identified key features.
 - Utilized Logistic Regression and K-Nearest Neighbors with various k values to predict outcomes.
 - Compared findings by plotting AUC and ROC curves to determine the optimal model parameters.
- **SMS Spam Classifier** Mar 2024 - Apr 2024
Machine Learning Project based on Classification **Github**
 - Developed a SMS Spam Classifier to identify spam messages using Python and Jupyter Notebook.
 - Implemented Natural Language Toolkit (NLTK) along with data preprocessing using Numpy, Pandas, Matplotlib, and Seaborn.
 - Applied a Multinomial Naive Bayes model achieving a high precision score using Scikit-Learn.
- **Car Price Predictor** Dec 2023 - Jan 2024
Machine Learning Project based on Regression (individual) **Github**
 - Developed a car price prediction model using a Ridge Regression algorithm for high R2-Score performance.
 - Incorporated data preprocessing using Numpy, Pandas, and Matplotlib, and implemented Gradient Descent to optimize training iterations.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python
- **Simulation Softwares:** TCAD, TinkerCAD
- **Machine Learning:** Numpy, Pandas, Scikit-Learn, Matplotlib, Tensorflow, Keras, ML Models
- **Developer Tools and Others:** VS Code, Jupyter Notebook, PyCharm

KEY COURSES TAKEN

- **CSE & Maths:** Introduction to Computing and Data Structures, Differential Equations, Linear Algebra, Calculus, Probability and Stochastic Processes
- **Electrical and Electronics:** Signals and Systems, Digital Circuits, Circuit Theory, Basic Electronics, Control Engineering, Electromechanics, Material Science for Electrical Engineering, Communication engineering, Electromagnetics, Analog circuits
- **Others:** Professional English Communication, Economics

POSITIONS OF RESPONSIBILITY

- **Head Hospitality, Zeitgeist(Cultural Fest)** Nov, 2024
- **Co-Head Hospitality, Zeitgiest(Cultural Fest), IIT Ropar**
Ensured a smooth and delightful experience for guests and participants during the event, honing valuable **management** skills. Nov,2023
- **Co-Head Workshop & Exhibitions, Zeitgiest(Cultural Fest) and Advitya(Tech Fest), IIT Ropar** Oversaw the planning, coordination, and successful implementation of a diverse range of talks and workshops, ensuring a seamless and engaging experience for participants. Nov,2023

MISCELLANEOUS

- **Cleared National Talent Search Examination(NTSE) Stage 1** 2019
- **HSTSE(Haryana Science Talent Search Examination) Scholar** 2019
- **Secured All India Rank 11960 among 1 million candidates in JEE Mains** 2022
- **Secured All India Rank 8861 among 0.2 million candidates in JEE Advanced** 2022