

TANISH SHARMA

Jalandhar(144001), Punjab, India

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Education

Indian institute of information technology,Sonepat (IIITSonepat)

December 2021 – May 2025

Bachelor of Technology, Information Technology

9.3913 CGPA

Relevant Coursework

- Data Structures
- Software Engineering
- Algorithms Analysis
- DBMS
- Computer networking
- Operating system
- Computer Architecture
- Big Data
- Machine Learning
- Artificial Intelligence
- Internet of Things
- Oups

Experience

CodeSoft *Certificate*

Feb'24-Mar'24

Software Engineer Intern–Full Stack developer | html,css,javascript,bootstrap,flask,python,sqlalchemy,jinja.

- Interned as a Full Stack Developer, primarily focusing on backend development using **Flask** in Python.Contributed to the development of scalable web application, collaborating with the team to implement features, and gaining hands-on experience in the full software development lifecycle.
- Developed a **dynamic** blog website leveraging HTML, CSS, JavaScript, Bootstrap for the frontend, and Python with **Flask** framework for the backend.Utilized **Jinja templating** to render dynamic content.
- Implemented user-friendly features enabling users to **create, update, and delete** blog posts seamlessly. Demonstrated proficiency in both frontend and backend technologies to deliver a responsive and intuitive user interface.

Achievements

- Consistently solved over **850+** Data Structures and Algorithms (DSA) problems across platforms including **LeetCode**, **CodeChef**, **Codeforces**, **CSES problem set**, and **GeeksforGeeks**, demonstrating proficiency in solving diverse problem sets.
- Showcased strong algorithmic expertise by solving **over 500+** Data Structures and Algorithms (DSA) problems specifically on **LeetCode** and achieved the title of **KNIGHT**, emphasizing efficient problem-solving skills.([link](#))
- Attained peak ratings of **1891** on LeetCode ,**1727 (3 star)** on CodeChef, and **1271** as a "Pupil" on Codeforces, highlighting **problem-solving** capabilities and mastery of algorithmic concepts exemplifying ongoing advancement and active engagement in the realm of **competitive programming**. ([link](#))
- Secured **Global rank 26** in April Long Two 2022, **Global rank 39** in March Long Two 2022, and **Global rank 81** in June Long Two 2022 at **CodeChef**, showcasing consistent performance and competitiveness in coding contests. ([link](#))
- Qualified for the **Regional Mathematics Olympiad (RMO)** after cracking the Pre-Regional Mathematics Olympiad (**PRMO**) in 2019.

Projects

SpamSift | *numpy,pandas,seaborn,matplotlib,ScikitLearn,streamlit,natural language processing(NLP).*

([link](#))

- Developed a **robust** SMS spam prediction model leveraging advanced **NLP** techniques including **lemmatization**, **stemming**, and extensive text preprocessing to enhance data quality and accuracy.
- Conducted thorough **Exploratory Data Analysis (EDA)** and data cleaning processes to ensure the integrity of the dataset, followed by comparison of over **6** different algorithms to achieve the precision score of **100%** through meticulous feature selection and engineering, utilizing the maximum features of **TF-IDF vectorization**.
- Implemented the model into a **user-friendly web application** using **Streamlit** library, providing an interactive platform for users to detect and classify SMS spam messages with high **accuracy** and efficiency.

PricePredictDrive | *Numpy,Pandas,Matplotlib,ScikitLearn,regression,lasso regression.*

([link](#))

- Developed a car price prediction model in Google Colab, comparing **Regression** and **Lasso Regression** for accuracy.
- Used NumPy, Pandas, Matplotlib, and scikit-learn for **data preprocessing, analysis, and training**, showcasing **machine learning** and **data visualization** skills.

Technical Skills

Languages/databases: C, C++, Python, Java, MySql , Assembly Language Programming.

Developmet skills : HTML, CSS, Javascript, BootStrap,flask,machine learning,docker.

Libraries/Utilities : Numpy,Pandas,Matplotlib,ScikitLearn,openCv,yolo,seaborn,streamlit.

Technologies/Tool: Git, Github , VsCode,Google Collab.

Operating Systems: Windows, Linux(WSL).