

Mridul Pathania

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SUMMARY:

A second year CSE undergraduate student at Lovely Professional University with an interest in Machine learning, web development and coding. Seeking an internship to apply my experience and skills and to hone my abilities and later to work in that organization as a full time employee.

TECHNICAL SKILLS:

- **Frontend** - JavaScript, HTML, CSS
- **Backend** - Django, Java, C++, Python
- **Machine learning** - Pandas, Numpy, models and algorithms (sklearn)
- **DevOps** - Docker
- **Database** - MySQL

PROJECTS:

LT-FS-ID - Intrusion Detection

Tech Stack: Pandas, NumPy, SkLearn, model and algorithms, csv files

- Using of csv to have the data of intrusion detection
- Pandas and numpy two main library of Python used to read/change the type of file
- Types of steps were implemented using sklearn to make data standardized and normalized.
- 3 types of algorithm used to check which has the best accuracy scores from all three

Cancer Detection - Image processing

Tech Stack: Pandas, OpenCV, NumPy, SkLearn

- Converting raw data to Dataframes using pandas
- Image processing is used via OpenCV for cancer detection
- OneR, KNN, PCA and LDA were used

Ecommerce Website - Front End and Back End Development

Tech Stack: Html, Css, JavaScript, MySql, Django

- Front End development using javascript for creating interactive, responsive user interface
- Back End implementation built using Django for authentication and authorization
- Database management utilized MySql as the database to store and manage data.

EDUCATION:

Lovely Professional University, Phagwara | Bachelor of technology in Computer Science and Engineering | 2nd year | 18 September 2022 | CGPA : 7.83/10