# ROHIT SHARMA

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## SUMMARY

Experienced Python Developer skilled in software development and debugging. Proficient in utilizing Python libraries to solve complex problems with a strong understanding of algorithms and data structures. Have created efficient project solutions with clean coding styles. , Strong foundation in data science, machine learning, backend development, API development, testing and automation.

## EDUCATION

**Techno Main Salt lake(ongoing)**

Bachelor's Degree in Computer Science(AI and ML)
2022-2026

**DAV Kapildev Public School**

Senior Secondary School
2019 – 2021
GPA: 10

**St. Francis School**

Secondary School
2019
GPA: 10

## SKILLS

- Python
- Communication Skills
- Flask and Django
- REST API
- Selenium, Beautiful Soup and pytest
- Beautiful Soup
- Data Science with pandas and numpy
- Tensorflow and Keras
- Open CV and CNNs for computer vision
- LSTMs for future prediction
- NLP
- ANNs, RNNs, autoencoders and SOMs
- Process Automation
- API Development
- Software Development
- Database Management
- Machine Learning
- RESTful APIs
- Test Automation(pytest and selenium)
- Object-Oriented Programming
- Deep learning

## CERTIFICATES

- Machine learning in python and R
- ANNs with keras in python
- Beginner to Expert Python And Flask.

## EXPERIENCE

### Python Developer

- Developed several beginner to advanced projects using Python over
- Automated tasks and implemented web scrapping with Selenium and data extraction with Beautiful Soup
- Experienced in Python testing automation
- Built and maintained web application using Flask
- Active in coding challenges and hackathons

### Machine Learning

- Applied ML models to real-world problems, mainly used for predictions.
- Very well aware of all algorithms involved in clustering, regression, classification, association and reinforcement learning.
- Strong in data preprocessing, model training(inclusing model ensembling), and evaluation with Pandas, Sklearn, Keras and Tensorflow

### Deep Learning

- Built and optimized deep learning models with Keras
- Experience in working with ANN, CNN, RNN and Boltzmann machines using Tensorflow and Keras.
- Created and trained my own ResNet and AlexNet model
- Created human emotion detection model with tensorflow and object detectors using OpenCV2 and CNNs.

### Web

- Flask for backend development and API development
- REST API
- Django for backend development

### Database Management

- Managed databases using SQLite and relational databases
- Implemented user management, including login and logout functionality
- Ensured password security through concepts of salting and hashing..