Rutvik Trivedi

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OBJECTIVE

A passionate and driven individual pursuing a Post Graduate degree in AI and Data Science. Actively seeking co-op opportunities to apply my knowledge and expertise, I aim to contribute to the growth of an organization.

EDUCATION

Post Graduate: Artificial Intelligence and Data Science

Loyalist College - Ontario, Canada   May 2023 - December 2024

Bachelor of Engineering: Computer Engineering - (GPA: 8.3/10)

Gujarat Technological University - Gujarat, India   June 2017 – July 2021

TECHNICAL SKILLS

- ➔ Programming Languages: Python, C, SQL, JavaScript, Java, HTML, CSS, R
- ➔ Core Skills: Artificial Intelligence, Data Science & Analytics, Data structures & Algorithms, Natural Language Processing (NLP), Data Mining, Data Warehousing, Object-Oriented Programming, Data Modelling, Operating Systems, Statistics, Research & Development, Deep Learning
- ➔ Database: MySQL, MongoDB
- ➔ Machine Learning Stack: NumPy, Pandas, Matplotlib, Seaborn, scikit-learn, Keras, TensorFlow, PyTorch, NLTK, OpenCV
- ➔ Reporting Tools: PowerBI, Tableau, Microsoft Excel
- ➔ Cloud: Azure, AWS
- ➔ Tools and Technology: Docker, Git, GitHub, Linux, React

PROFESSIONAL EXPERIENCE

Python Developer

O2 International LLP   August 2021 – March 2023

- Collaborated on full-stack Python development and proficiently managed databases, ensuring optimal website functionality.
- Developed and enhanced Python-based applications, actively contributing to feature upgrades and user experience.
- Conducted detailed bug identification and resolution in close coordination with the team, guaranteeing a seamless user experience.
- Strengthened Python programming and MySQL database management skills.

Data Science Intern

Techsparx Solutions   July 2020 - December 2020

- Contributed to the development of machine learning models and data-driven solutions using Python, including data preprocessing, feature engineering, and model building.
- Designed and implemented a customer churn prediction model using supervised machine learning algorithms.
- Conducted extensive data preprocessing, feature selection, and engineering to enhance model accuracy.
- Collaborated with cross-functional teams to integrate the model into Techsparx Solutions client-facing analytics platform.

Python Developer Intern

Infinity Infra Advisory LLP   February 2020 - June 2020

- Built and improved web applications using python.
- Utilized MySQL for effective data storage and retrieval.
- Gained proficiency in troubleshooting, code review and working as part of team.

PROJECTS

Bitcoin Price Prediction
- Analyzed a bitcoin price using 5 ML models with 95% prediction accuracy. Also, it includes a user-friendly interface for buying and selling bitcoin on the website.

Heart Failure Diagnosis
- Inspected 10 features related to Heart Failure Diagnosis including Age, Gender, Chest Pain Type, Resting Blood Pressure, Cholesterol levels, Fasting Blood Sugar, Resting Electrocardiogram (ECG) results, Maximum Heart Rate, Exercise-Induced Angina, Oldpeak, and ST Slope.For predicting this, developed various prediction models and achieved 97.40% accuracy.

Automatic Number Plate Recognition
- This project includes a user-friendly GUI is designed and developed for ANPR. Tasks such as Image pre-processing, Segmentation of the license plate, and then application of OCR is applied to convert the number plate from image to text form. Model is so accurate that it predicts 98.6% right data for a number plate. Apart from the Number plate, it also shows data of the name of the car owner, pin code, and city name.

ACHIEVEMENTS
- **Winner, Insight Coding:** Champion in a coding competition, TekViden 2018, beating 150 other participants.
- **Gold Medal (National Level):** Won Gold Medal in Spectrum19 - NIFT Gandhinagar and Samarpan College in Volleyball Tournament.

EXTRACURRICULAR

Akhil Bharatiya Vidyarthi Parishad

Member   March 2019 - Present
- ABVP, which stands for Akhil Bharatiya Vidyarthi Parishad, is a prominent right-wing student organization in India. It is associated with the Hindu nationalist ideology and has strong affiliations with the Rashtriya Swayamsevak Sangh (RSS). ABVP holds the distinction of being the largest student organization in India, boasting a membership base of over 3 million individuals.
- I worked, organized and participated in many student union activities, rally, and events.
- I also volunteered in other activities like distributing books to underprivileged students and food to slum areas.

SVBIT's Research Lab (Research Community)

Member   May 2020 - August 2020
- Engaged in a lively network comprising professors, Ph.D. scholars, postgraduate students, and undergraduates for engaging in research and technical dialogues within diverse and emerging domains of computer engineering.

CERTIFICATION
- Machine Learning by Stanford University
- Machine Learning with Python by IBM
- Python Programing by Wesleyan University
- Machine Learning: Classification, Clustering & Retrieval by University of Washington
- Scipy India 2018 by FOSSEE at IIT Bombay

LANGUAGES

English - Full Professional Proficiency, **Hindi and Gujarati** - Native / Bilingual Proficiency

INTERESTS

Financial Markets, Cricket, Volleyball

REFERENCES

Available Upon Request