HARSHIL KETAN PATEL

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Work Experience _____

Software Engineer   *November 2022 – January 2023*
Spire Global Inc., Canada
- Developed high end APIs and leveraged software systems under Mapping, Geographic Information Systems (GIS), Open Geospatial Consortium (OGC) Web Map data.
- Developed plugins in Golang that supports data extraction and image processing algorithms.

Technical Support Advisor   *September 2022 – November 2022*
Concentrix Technological Services, Canada
- Worked for the clients of Concentrix to provide telephonic support to the problems faced by the direct customers of the company.
- Resolved day to day technical issues by providing seamless experience to the customer.

Backend Developer (Python)   *May 2021 – August 2021*
Haqdarshak Empowerment Solutions Pvt. Ltd., India
- Delivered various projects for the company involving backend software development, concurrent APIs and maintaining pre-developed server-based software systems.
- Involved in developing in-house projects which helped the organization to work at maximum efficiency.

Software Engineer   *October 2020 – March 2021*
RecruitNet, Hong Kong
- Developed web scrappers to collect data from various Applicant Tracking System (ATS) websites that helped companies to expand their job listing database.
- Provided data cleaning and insightful analysis by developing autonomous bots with selenium and python.

Software Developer Intern   *March 2019 – July 2019*
Infobizzs Services Pvt. Ltd., India
- Involved in all phases of the Software Development life cycle following agile methodology to improve efficiency and collaboration.
- Contributed to the development of a video streaming mobile application.
- Designed and developed a cross platform application for ecommerce functionality.

Education _____

Master of Science (MS) in Big Data Analytics   *May 2021 – August 2022*
Trent University, Peterborough, Canada, Cumulative GPA: 90.63 / 100.00

Bachelor of Engineering (BE) in Computer Engineering   *July 2016 – August 2020*
Gujarat Technological University, India, Cumulative GPA: 8.81 / 10.0

Projects _____

Image Super-Resolution 🔗   *Python | Convolution Neural Network*
- A module trained to enhance image quality with the help of CNN's and autoencoders. I got validation accuracy of around 93% with a validation loss of 0.0021.

AI in Retail Market 🔗   *Python | Django | Machine Learning | Data Analysis*
- Project is highly focused on making things easy, reliable, and impeccable for both retail marketers and the customers. Customer's movement is analyzed to gain insight into their habits and buying behavior, which will be used to optimize the design of the store and the placement of the product. The indoor navigation system will also help customer to track down their product inside the store easily.

Language Translation Website ✎   *Python | Django | Neural Networks*
- A Neural Machine Translation model that converts English sentences to Marathi sentences. The model has been trained over 38,000 sentences and has an accuracy of 90%. I have made it fully functioning by deploying it to the website and have hosted it on herokuapp.

Face Detection and Recognition ✎   *Python | OpenCV*
- An OpenCV module which detects a person's face and has an ability to recognize a known person. Also alerts the system if an unknown person has been detected.

Scanit! ✎   *Android Mobile Application*
- Scanit is a mobile application which is used to extract text from an image file which is then interpreted and can be manipulated as per users need. It's also made to perform mathematical operations on a scanned equation.

Skills_____

Programming -	Python, Go, R, JavaScript, Java, Node.js, React, HTML, CSS, PHP, C++, JSON
Databases -	SQL, MongoDB, PostgreSQL, MySQL
Frameworks, Libraries -	Django, Flask, React Native, TensorFlow, Machine Learning, Deep Learning, NLP, Selenium, Scrapy, NumPy, Pandas, scikit-learn, Git
Architectures -	Full Stack Development, Mobile Application Development, Graphic Designing, Web Scrapping, REST API/Micro service, Docker
OS -	Linux, Windows, macOS
Soft Skills -	Agile, Teamwork, Critical Thinking, Customer Service, Proactive

Achievements_____

- Proven **4-Star Python Coder** at Hacker Rank.
- I have served as a **Design Lead and Logistic Manager at Computer Society of India (CSI),** GCET Student Branch for academic year 2018-2019.
- Successful freelancer on **Upwork.** ✎