

# HARSHIL KETAN PATEL

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## Summary

Results-oriented professional with expertise in full-stack software development, data analytics, and machine learning. Skilled in Python, GO, R, Django, Flask, React, and other technologies. Proven track record in developing high-end software solutions, resolving complex technical issues, and collaborating with cross-functional teams. Committed to leveraging data-driven insights to drive business success. Seeking a challenging role where I can utilize my expertise in data analytics and software development to solve complex problems and drive innovation.

## Education

### Master of Science (MS) in Big Data Analytics

May 2021 – August 2022

Trent University, Peterborough, Canada. Cumulative GPA: 4.0 / 4.0

Data Mining | Statistical Aspects of Modeling | Data Analytics with R | Data Science with Python | Data Visualization | Big Data

### Bachelor of Engineering (BE) in Computer Engineering

July 2016 – August 2020

Gujarat Technological University, India. Cumulative GPA: 3.5 / 4.0

Data Structures | Database Management System | Object-Oriented Programming | Operating Systems | Software Engineering | Artificial Intelligence

## Work Experience

### Software Engineer

November 2022 – February 2023

Spire Global Inc., Canada

- Developed high-end GraphQL APIs and plugins in Python and GO to support data extraction and image processing algorithms.
- Leveraged Mapping, Geographic Information Systems (GIS), and Open Geospatial Consortium (OGC) Web Map data for accurate algorithm implementation. Utilized agile methodology for software development, ensuring efficient project delivery.
- Implemented version control and bug tracking systems to maintain code quality and resolve issues promptly.

### Technical Support Advisor

September 2022 – November 2022

Concentrix Technological Services, Canada

- Collaborated with clients to provide exceptional telephonic support, troubleshooting, and resolution of technical issues for direct customers.
- Maintained detailed documentation of customer interactions and technical problems, utilizing insights to improve product offerings and enhance user experiences. Demonstrated excellent communication skills to effectively address customer concerns and provide solutions in a timely manner.

### Backend Developer (Python)

April 2021 – August 2021

Haqdarshak Empowerment Solutions Pvt. Ltd., India

- Successfully delivered various software development projects, including REST APIs and server-based systems, contributing to improved organizational efficiency. Developed in-house projects to optimize software solutions, enhancing overall performance and user satisfaction.
- Collaborated closely with cross-functional teams, fostering effective communication and ensuring seamless project delivery.

### Software Engineer

August 2020 – March 2021

RecruitNet, Hong Kong

- Developed scalable web scrapers using Python, Perl, Selenium, and BeautifulSoup, enabling efficient data collection and analysis from various Applicant Tracking System (ATS) websites. Utilized data cleaning and transformation techniques using Pandas and NumPy libraries, ensuring high-quality data for analysis.
- Performed data visualization using Tableau, Matplotlib and Seaborn, providing valuable insights for decision-making.

### Software Developer Intern

March 2019 – July 2019

Infobizzs Services Pvt. Ltd., India

- Actively followed agile and scrum methodologies throughout the software development lifecycle, collaborating with cross-functional teams to ensure efficient and effective project delivery. Made significant contributions to the development of a video streaming mobile application using React and React Native, ensuring seamless user experiences across different devices and platforms.
- Designed and developed cross-platform applications utilizing React, SQL, Redis and PHP to deliver robust and user-friendly solutions.

## Projects [\[more...\]](#)

### Advanced Retail Optimization with AI 🦄

[Python](#) | [Tableau](#) | [React](#) | [Django](#) | [Docker](#) | [Machine Learning](#)

- The project is an advanced AI-driven solution for retailers, leveraging cutting-edge algorithms to optimize inventory, forecast demand, strategize assortment, optimize pricing, and deliver personalized recommendations. Enhancing operational efficiency and driving sales growth, this system empowers retailers to stay ahead in the competitive retail market.

### Sentiment Analysis Using A C-BiLSTM Model 🦄

[Python](#) | [CNN](#) | [Natural Language Processing](#) | [Docker](#) | [Spark](#)

- The increasing spread of hate speech and harassment on social media platforms poses a threat to public safety. This study proposes a LSTM-based classification system that effectively detects and filters hateful language, achieving an accuracy of 87%.

## Technical Skills

**Languages & Databases:** Python, GO, R, JavaScript, Java, HTML, CSS, PHP, C++, JSON, AJAX, SQL, MongoDB (NoSQL), Postgres, MySQL

**Framework and Libraries:** Node.js, React, Django, Flask, React Native, TensorFlow, Machine Learning, Deep Learning, NLP, Selenium, Scrapy, NumPy, Pandas, scikit-learn, GraphQL, RESTAPI

**Software Fundamentals:** Full Stack Development, Mobile Application Development, Graphic Designing, Web Scrapping, Data Structures, Algorithms, Design Patterns, micro-services, JIRA

**Cloud Technologies:** Docker, Heroku, AWS

**Version Control & OS:** Git, Gitlab, Linux, Windows, macOS

**Soft Skills:** Agile, Critical Thinking, Self-motivated, Proactive, Collaborative and Quick Learner.