

# SHASHWAT PATEL

## DATA SCIENTIST MACHINE LEARNING ENGINEER

BARTLETT, IL

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### SUMMARY

Recent computer science graduate with a passion for Machine Learning and data analysis and a strong foundation in programming, statistics, and Mathematics. Skilled in data mining and manipulation using Python, MySQL, and Tableau. Experienced in applying machine learning algorithms to real-world problems and presenting findings clearly and concisely. Seeking an entry-level data scientist Machine Learning Engineering position to apply and expand my skills in a dynamic and fast-paced environment.

### SKILL SUMMARY

#### **Curious:**

Natural curiosity and drive to constantly seek out new knowledge and understanding, leading to the ability to quickly adapt to new technologies and methodologies in the field of data science.

#### **Not Afraid of wrong ideas:**

Getting failure is the correct way to get success. Sometimes bad ideas spark the needed start.

#### **Problem-Solving:**

Excellent problem-solving skills with the ability to identify, analyze and recommend solutions to complex data problems.

#### **Machine Learning:**

Knowledge of machine learning algorithms and experience in applying them to real-world problems.

### TECHNICAL EXPERTISE

**Programming languages:** Python, C/C++, HTML/CSS, JavaScript, SQL

#### **Python Libraries:**

Scikit-Learn, Karas, Tenser Flow, NumPy, Pandas, Matplotlib, Seaborn, Flask, Beautiful Soup, Selenium

#### **Tableau:**

**Database Management:** MySQL

#### **Git-GitHub:**

**M.S. Office:** Excel, Visio, PowerPoint, Word

**Operating System:** Mac OS, Windows, Linux

### MEMBERSHIP

**NIU INDIAN STUDENT ASSIOCATION**

sports coordinator

**April 2020 – January 2023**

# EDUCATION

## **Data Science Machine Learning Bootcamp**

**January 2023–Till Date**

, JOVIAN, Online

- Learn Data Science- Machine Learning and building real-world projects on SQL, Tableau, DAV
- Learn industry-level technologies and techniques from former Twitter, and Google Employees (IIT-Bom)

## **Bachelor of Science in Computer Science**

**August 2017–December 2022**

Emphasis: Software Development

Northern Illinois University (NIU), DeKalb, IL

- Computer Science Major in Fundamental courses in Mathematics, Computing, Data Structure-Algorithms, and Statistics.
- Took Additional courses in Computer Architecture, Calculus

## **Diploma Engineering**

**August 2013–June 2016**

Emphasis: Automobile Engineering

Gujarat Technological University (GTU), Gujarat, INDIA

- Created a project on an Automated wiper system
- Multiple Sensor control modules as a final's project.

# PROJECTS

## **Exploratory Data Analysis**

Exploratory Data Analysis Project on Google Play store Apps using Python

- Conducted exploratory data analysis to understand the structure and characteristics of the dataset with 2.3M+ rows and 12 columns.
- Cleaned and preprocessed the data to handle missing values, and outliers, and ensure data quality
- Utilized data visualization tools (Matplotlib, Seaborn, Plotly) to generate insights and identify trends in the data
- Created interactive dashboards and visualizations to communicate findings and insights to non-technical stakeholders
- Utilized statistical techniques to validate findings and support conclusions drawn from the data
- Collaborated with cross-functional teams to identify business questions and provide data-driven recommendations
- Contributed to the development of a data-driven decision-making framework for web developers.

## **Web Scraping**

Scraping Topic Wise Video Details on YouTube using Selenium

- Designed and implemented a web scraping solution to collect data from YouTube by User Given Topic.
- Collect 1000+ rows and 8 columns of data.
- Utilized Python and its libraries such as BeautifulSoup, Requests, and Selenium to scrape data.
- Developed an efficient and scalable solution that could handle large amounts of data and handle dynamic web content.
- Stored the collected data in a structured format (CSV, SQL database) for further analysis - to identify trends, patterns, and relationships in the data.
- Contributed to data-driven decision-making for the YouTube Content Creator.

## **Web Development**

### Personal Portfolio Website with Database Integration

- Designed and developed a personal portfolio website to showcase my skills, experiences, and projects.
- Utilized HTML, CSS, and JavaScript to create a responsive and user-friendly interface.
- Implemented a custom design to reflect my brand and stand out from other portfolio websites.
- Included Pages for an about me page, Resume, project, and Contact Me showcases.
- Integrated a portfolio with My SQL that allows for easy updating and adding of new projects.
- Deployed the website to a web hosting service, ensuring high availability and fast loading times  
Utilized SEO techniques to improve the website's search engine ranking and visibility.
- Continuously updated the website with new projects and experiences to showcase my growth and skills.