ANIKET SHAH

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https://aniketshah2002.github.io/portfolio_webpage/

PROFESSIONAL SUMMARY

Recent B.E. CSE (Computer Science and Engineering) graduate with a strong foundation in Python, SQL, data visualization, and machine learning. Experienced in running Python code and developing analyses using Jupyter Notebooks during academic projects. Collaborated in teams of 4 on multiple semester-long group projects, regularly communicating with professors through meetings, presentations, and reports to ensure alignment and quality. Completed coursework and projects in data analytics, predictive modeling, and full-stack application development. Eager to leverage analytical abilities to deliver actionable insights and improve decision-making speed in a dynamic data-driven environment.

EDUCATION

Chandigarh University – Mohali, Punjab   *Mohali, Punjab | May 2025*

B.E. CSE (Computer Science and Engineering)

CGPA:7.68 | Relevant Coursework: Data Structures & Algorithms, Statistics, Probability, Linear Algebra, Machine Learning, Artificial Intelligence, Data Visualization, Operating Systems, Database Management Systems (DBMS)

PUBLICATIONS

Real-Time Image and Video Captioning   *International Journal of Scientific Research in Engineering and Management (IJSREM) Volume 08*
Using Advanced Deep Learning Models

Research Paper

CERTIFICATIONS

Tata Group Analytics Job Simulation – Forage, Forage   *August 2025*

Tata Data Visualization: Empowering Business with Effective Insights Job Simulation – Forage, Forage   *July 2025*

SQL Basic – HackerRank, HackerRank   *July 2025*

Crash Course on Python – Google – Coursera, Google – Coursera   *August 2024*

SKILLS

Languages: Python, Java, JavaScript, SQL, HTML, CSS

Databases: MySQL, MongoDB

Machine Learning: Supervised Learning (Regression, Classification), Cross-Validation, Predictive Modeling

Data Analytics: SQL Queries, Data Cleaning, Feature Engineering, Visualization, Matplotlib, Documentation Management, ETL, API Integration

Tools: Git, Docker, Jupyter, VS Code, Tableau, Power BI, GitHub, Microsoft Excel, Looker Studio, Google Cloud Platform, BigQuery

PROJECTS

Nifty 50 Stock Analysis Dashboard

- Architected an end-to-end ETL pipeline using Python (yfinance, pandas) to automatically extract historical stock data, loading it directly into a Google BigQuery cloud data warehouse.
- Engineered complex data models by writing advanced SQL queries in BigQuery, leveraging CTEs and Window Functions (AVG, LAG, STDDEV) to transform raw data into actionable financial insights like Bollinger Bands and "Golden Cross" signals.
- Designed and built an interactive BI dashboard in Looker Studio to visualize the analysis, while managing the full project lifecycle and version-controlling all code, scripts, and documentation with Git and GitHub. Collaborated in a team of 4, coordinating tasks across 8 semester-long projects, and communicated regularly with professors via meetings, presentations, and written reports to ensure alignment and quality.

India's EV Market Intelligence Dashboard

- Developed a dynamic Tableau dashboard to analyze and forecast India's Electric Vehicle (EV) market trajectory using IEA data.
- Transformed complex data into actionable insights, featuring predictive growth models, key performance indicators (KPIs), and interactive filters to explore the market's composition through 2030.

E-commerce Sales Performance Dashboard

- Designed and built an interactive sales dashboard using a BI tool (Tableau or Power BI) to visualize key performance indicators (KPIs) from a sample e-commerce dataset.
- Extracted and cleaned raw sales data from a database using SQL queries to join tables for products, customers, and orders.
- Utilized Excel for initial data exploration, cleaning, and creating pivot tables to validate findings before visualization.

AI Analytics Job Pipeline Dashboard

- Developed an automated ETL pipeline following data-science methodologies, using Python to fetch public data sources (SerpApi) and perform extensive analysis; this required strong problem-solving and analytical skills to clean, structure, and load the data into Google BigQuery.
- Engineered a Natural Language Processing (NLP) layer using spaCy's PhraseMatcher to parse unstructured text descriptions, successfully extracting and categorizing 30+ technical skills to analyze AI/ML trends versus traditional BI skills.
- Designed and deployed an interactive Business Intelligence (BI) dashboard in Looker Studio, connecting directly to BigQuery to visualize key market insights, such as skill demand by job title (Data Analyst vs. Data Scientist) and location.

Image to Text Generator

- Independently designed, developed, and deployed a full-stack web application using Python and Flask to extract and format text from user-uploaded images, leveraging generative AI for problem-solving guidance when needed.
- Integrated the EasyOCR engine and developed a multi-stage OpenCV preprocessing pipeline (denoising, adaptive thresholding) to maximize recognition accuracy.
- Deployed the application using Gunicorn on a cloud platform (Render) and managed the codebase with Git/GitHub.

LANGUAGES

English (Fluent), Hindi (Native)

HONORS

Class Representative for Two Consecutive Terms 2019 & 2020

Academics Captain during the Session 2019-2020

National Cadet Corps A Certificate from 31 UK BN NCC