

Areeya Shaikh

+91-8850102846 | shaikhareeya@gmail.com | <https://github.com/asterray03> | <https://www.linkedin.com/in/areeyashaikh/> | <https://asterray03.github.io/Areeya-Shaikh-Portfolio.github.io/>

PROFILE

Enthusiastic Electronics & Telecommunication Engineering student with practical experience in Data Analytics, Python development, UI UX Designing, Web Development, IoT, and VLSI. Passionate about extracting insights from data to drive smart, real-world solutions.

EDUCATION

Vidyalankar Institute of Technology, Mumbai

CGPA: 8.1

Bachelor of Technology in Electronics and Telecommunication

- Expected Graduation: 2026
- Relevant coursework in Data Analytics, Digital Image Processing, IOT

Guru Nanak Khalsa Junior College of Science, Mumbai

Higher Secondary Certificate (HSC)- Science Stream

- Year of Completion: 2022
- Studied core subjects: Physics, Chemistry, Mathematics, and Biology (PCMB)
- Gained foundational understanding of concepts such as **mechanics, thermodynamics, organic/inorganic chemistry, calculus, and human anatomy**
- Built basic analytical and lab skills through hands-on experiments and science projects

SKILLS

Technical:

Python, SQL, HTML, CSS, JavaScript, Data Analysis, Data Visualization, Digital Image Processing, IoT Systems, Embedded Programming, MATLAB, C#

Tools & Platforms:

Tableau, Power BI, Excel, MySQL, Visual Studio, Arduino IDE, ESP32, Git

CERTIFICATIONS

- IBM – Data Analysis with Python – Coursera
- ChatGPT & Generative AI for Data Analytics – Coursera
- Data Analysis using Microsoft Excel – Coursera
- Foundations of User Experience (UX) Design – Coursera
- Introduction to Data Analytics – Simplilearn

EXPERIENCE

CDAC – Advanced Computing Training School (ACTS)

Mumbai, India

Data Analytics Intern

2024

- Analysed public datasets using Python libraries such as Pandas and Matplotlib to identify trends and patterns.
- Built visualizations and summary dashboards to support data-driven decisions in practical use cases.
- Final project: Developed a password manager using Python with encrypted storage and GUI.

Drona Aviation

Mumbai, India

Software Developer Intern

2024

- **Developed a custom VS Code extension** for managing company-specific files, improving developer productivity and standardizing workflows.

- Designed and implemented a **Python-based GUI** to display **real-time thrust meter parameters** including **voltage, current, power, and RPM**.
- Integrated **dynamic charts and data visualization** for monitoring hardware performance.
- Added **CSV export functionality** to enable data logging, storage, and further analysis.
- Applied **Python, GUI libraries (Tkinter/PyQt), and data handling techniques** to ensure a reliable, user-friendly interface.

Acmegrade

Remote

Machine Learning Intern

2024

- Built a music recommendation system using Python and scikit-learn, leveraging similarity-based ML techniques.
- Understood and applied classification and regression algorithms in supervised ML tasks.

PROJECTS

Amazon Sales Analysis (Tableau Dashboard)

- Designed and deployed an interactive Tableau dashboard analysing 116K+ Amazon sales records.
- Conducted sales trend analysis, shipment status monitoring, and B2B vs B2C performance comparisons.
- Performed state-wise demand segmentation across India to identify high-growth regions and key markets.
- Leveraged Tableau visualizations and calculated fields to uncover sales patterns, fulfilment issues, and customer behaviour insights.
- Enabled stakeholders to make data-driven business decisions by providing quick and actionable insights.

Bike Purchase Behaviour Analysis (Excel Dashboard)

- Analysed the “Bike Buyers” dataset to identify customer attributes influencing bike purchase decisions.
- Applied Excel functions, pivot tables, and charts to explore demographics, income, and commute behavior.
- Built an interactive Excel dashboard enabling insights into purchase trends and target customer segments.

Data Professional Survey Breakdown (Power BI Dashboard)

- Developed a Power BI dashboard to analyse a global survey of data professionals.
- Visualized key metrics including average salaries by job role, country-wise distribution, favourite programming languages, and work-life balance.
- Leveraged Power BI DAX functions and interactive visuals to provide meaningful insights to stakeholders.

Airbnb Analysis (Tableau Dashboard)

- Created a Tableau dashboard analysing Airbnb 2016 dataset from Kaggle.
- Explored patterns in pricing, property availability, and geographic demand.
- Designed interactive visualizations to support decision-making in the travel and hospitality domain.

SQL Data Cleaning Project - MySQL

- Cleaned and standardized a large layoffs dataset using MySQL.
- Removed duplicates, handled null values, reformatted dates, and standardized company/industry fields.
- Improved dataset quality for reliable reporting and downstream analysis.
- Highlighted strong skills in SQL-based data wrangling and preprocessing.

Automated File Sorter (Python)

- Built a **Python automation tool** to organize files into folders by type (CSV, images, text, Word, Chrome files).

- Implemented **file scanning and directory management** logic to improve workflow efficiency.
- Reduced manual effort and boosted **productivity by automating repetitive data handling tasks**.

World Population Growth Analysis (Python, Pandas, Matplotlib)

- Performed **data cleaning and exploratory analysis** on world population datasets (1970–2022).
- Conducted **decade-wise comparisons, continent-level growth analysis, and rate of change calculations**.
- Built **visualizations with Matplotlib and Pandas** to identify demographic trends and growth hotspots.
- Demonstrated strong skills in **statistical analysis and data storytelling**.

SQL Exploratory Data Analysis on Global Layoffs

- Conducted **exploratory data analysis (EDA)** on a **global layoffs dataset** using **SQL queries**.
- Analysed layoffs by **company, industry, country, and time period** to uncover employment patterns.
- Applied advanced SQL functions like **GROUP BY, JOINS, WINDOW functions, and aggregations** for insights.
- Produced **actionable findings** useful for labour market research and workforce planning.

Top 100 US Companies Web Scraping (Python, Pandas)

- Developed a **Python-based web scraping pipeline** using requests, BeautifulSoup, and Pandas to extract financial data of **Top 100 US companies by revenue** from Wikipedia.
- Cleaned and structured raw HTML data into a **usable dataset** for further exploratory analysis.
- Automated data collection process, ensuring accuracy and repeatability for **market and business intelligence use cases**.

ACHIEVEMENTS

- Cracked the internal hackathon round of Smart India Hackathon (SIH) by developing a complete ERP system for a medical college using HTML, CSS, JavaScript (frontend) and PostgreSQL + MongoDB (backend).
- Reached till Second round in the TIH National Innovation Challenge, proposing an autonomous duck-like robot to remove weeds from rice paddies using sustainable agritech techniques.
- Appointed **Chairperson of IETE-VIT Student Chapter**, leading technical workshops, events, and increasing member engagement by 40%.
- Served as **Creative Joint Secretary** of the **VIT Student Council**, managing visual branding and promotional material for institutional and cultural events.