

# Areeya Shaikh

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## PROFILE

Enthusiastic Electronics & Telecommunication Engineering student with hands-on experience in Data Analytics, Python development, UI/UX, and Web Development. Passionate about extracting insights from data to build 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

## 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.
- Final project: Developed a password manager using Python with encrypted storage and GUI.

### Drona Aviation

Mumbai, India

#### Software Developer Intern

2024

- Built a VS Code extension for company file management, improving productivity and workflows.
- Developed a Python GUI to display real-time thrust meter parameters (voltage, current, power, RPM).
- Integrated charts & CSV export for performance monitoring and data logging.
- Applied Tkinter for 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 an interactive dashboard analysing **116K+ sales records** with sales trends, shipments, and B2B analysis.
- Conducted **state-wise demand segmentation** to identify high-growth regions.

### 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 dashboard analysing a **global survey of data professionals**.
- Visualized **salaries, country distribution, languages & work-life balance**.
- Applied **DAX functions** for deeper insights.

### Airbnb Analysis (Tableau Dashboard)

- Created dashboard on **Airbnb 2016 dataset** exploring pricing, availability, and demand patterns.
- Designed **interactive visuals** for travel & hospitality decision-making.

### SQL Data Cleaning Project - MySQL

- Cleaned a **large layoffs dataset** by removing duplicates, handling nulls & reformatting fields.

### 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.

### World Population Growth Analysis – Python EDA

- Analysed **population data (1970–2022)** across decades & continents.
- Visualized **growth trends & hotspots** using Pandas & Matplotlib.

### SQL Exploratory Data Analysis on Global Layoffs

- Conducted EDA on layoffs dataset by **company, industry, country & time period**.
- Applied **GROUP BY, JOINS, WINDOW functions** to generate labour market insights.

### Top 100 US Companies Web Scraping (Python, Pandas)

- Built a **web scraping pipeline** with requests & BeautifulSoup to extract company data.
- Cleaned & structured **financial datasets** for analysis.

## ACHIEVEMENTS

- **SIH Hackathon:** Built ERP system (HTML, CSS, JS, PostgreSQL, MongoDB) for a medical college.
- **TIH Innovation Challenge:** Reached 2nd round with autonomous robot for rice field weed removal.
- **Chairperson, IETE-VIT:** Led workshops/events, increased engagement by 40%.
- **Joint Secretary, VIT Council:** Managed branding & promotional content for events.