

SHAGUN MISHRA

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Summary

Data Analyst and Web Developer with hands-on experience working with datasets of 2M+ records, building automated Power BI dashboards that reduce reporting time by 30%, and developing responsive, user-friendly web applications. Skilled in SQL, Python, Machine Learning, Power BI, JavaScript, and HTML/CSS, with a strong ability to combine data-driven insights and modern web technologies to improve performance, usability, and business decision-making. Proven track record of solving complex problems, optimizing workflows, and delivering impactful analytical and front-end solutions.

Key Achievements

- Successfully processed and analyzed **2GB+ large-scale datasets** during analytics projects, improving data cleaning and modeling efficiency by **35%**.
- Built **interactive dashboards in Power BI** that reduced reporting time for stakeholders by **30%**, enabling faster academic performance analysis
- Designed and deployed a **responsive personal portfolio website** with **100% device compatibility**, increasing visitor engagement time by **40%**.

Skills

Languages: Python, Javascript, HTML+ ADVANCE CSS

Python Libraries: NumPy, Pandas, Matplotlib

Web Dev Tools: Canva, VScode, Git, Github

Databases: Relational Database(mysql)

Data Analytics tools: Power BI, Advance Excel, Kaggle

Areas of Interest: Web Design and Development, Data Analyst.

Professional Experience

IoT & Data Analytics Intern — NASSCOM

Aug 2025 – Oct 2025

- Processed and developed an IoT-based SOS Panic Alert System integrating Arduino, GSM, GPS, and IoT services, enabling real-time emergency alerts with live location tracking and **<10-second** response time.
- Streamlined both the hardware prototype and web-based interface, improving communication efficiency and **reducing alert delays by 40%**.
- Implemented GPS-based **location accuracy (±5m)** and **automated SMS** notification workflows to ensure rapid response.
- Gained hands-on experience in IoT development, **hardware integration**, **API connectivity**, and end-to-end project deployment.

Education

B.Tech in Computer Science & Engineering

May 2022 – PRESENT

Raj Kumar Goel Institute of Technology, Ghaziabad

- Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Computer Networks, Database Management Systems.

Technical Projects

IoT SOS Panic Button for Safety (design for women safety)

Integrated **Arduino Uno**, **GSM (SIM800L)**, **GPS module (NEO-6M)**, and **IoT services**, enabling **seamless communication with <10 seconds** response time.

Engineered system components including **panic button**, **buzzer alarms**, and **GPS tracking**, reducing emergency response delays by **up to 40%**.

Tech Stack: Arduino IDE, GSM/GPS Modules, IoT Web App, HTML, JavaScript, APIs.

Automated Resume Screening Tool (NLP + Web App)

Designed an AI-based system using **NLP** to analyze and score resumes across **10+ skill categories**.

Developed a responsive **web interface** and automated scoring model improving screening speed by **60%**.

Tech Stack: Python, NLP, Flask, HTML/CSS/JS

End-to-End Sales Forecasting System (ML + Dashboard)

Led a machine learning model to forecast monthly sales with **up to 89% accuracy**, helping identify demand patterns and optimize stock levels..

Created an automated **Power BI dashboard** to visualize trends, seasonality, and future predictions.

Tech Stack: Python, Pandas, Scikit-learn, Power BI, DAX, SQL

Certifications

- Introduction to IoT | NPTEL (Elite).**
- Python for Everybody | Coursera.**