

# TUSHAR SINGH

**Phone** : +91 8851619647

**Location** : Delhi, India

**GitHub** : [Tusharsinghoffical](#)

**Email** : [tusharsinghkumar04@gmail.com](mailto:tusharsinghkumar04@gmail.com)

**LinkedIn** : [tusharsingh2011](#)

**Website** : [Codewithmrsingh](#)

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## PROFESSIONAL SUMMARY:-

Data Analyst and Full-Stack Developer with hands-on experience in Python, SQL, Power BI, Django, and AI-driven automation. Proven ability to analyze large datasets, build scalable web applications, and design workflow automation using APIs and webhooks. Experienced in freelance delivery and enterprise internships, translating business requirements into data-driven and software solutions.

## QUALIFICATIONS :-

### Master of Computer Applications (MCA)

**Institution** : MIT ADT University, Pune

**Duration** : Oct 2024 - 2026

**CGPA** : 7.9

### Bachelor of Computer Applications (BCA)

**Institution** : Institute of Technology and Science, Ghaziabad

**Duration** : Oct 2021 - Mar 2024

**Percentage** : 72

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## TECHNICAL SKILLS :-

- Web Development & Frameworks:**

HTML5, CSS3, JavaScript (ES6+), React.js, Bootstrap, Django, Flask, Node.js

- Back-End & API Development:**

Python, RESTful APIs, Database Integration, Authentication, Authorization, CRUD Operations

- Machine Learning & Data Science:**

Python (Pandas, NumPy, Matplotlib, Scikit-learn), Data Cleaning, Model Building, Predictive Analytics

- Database Management:**

MySQL, SQLite, MongoDB, SQL Queries, Data Modelling, Optimization

- Tools & Version Control:**

Git, GitHub, Git Workflow Management, Version Control Strategies

- Project & Software Development:**

Full-Stack Application Development, Agile Methodologies, Project Planning, Deployment

- AI Automation & Workflow Engineering:**

n8n, Make.com, Workflow Automation, SaaS Automation, Triggers, Routers, Delays, Schedulers

## EXPERIENCE :

### ❖ AB Infotech Solutions — Data Analyst Intern

**Duration:** June 2025 – September 2025

**Location:** Onsite – Pune

- Cleaned, transformed, and analyzed over 120,000+ sales and HR data records using Python (Pandas, NumPy) and SQL, improving data accuracy by 18%.
- Designed and developed interactive dashboards in Power BI and Tableau, helping management identify top-performing products and optimize decision-making.
- Automated recurring reporting workflows using Matplotlib and custom Python scripts, reducing manual reporting time by 25%.
- Presented actionable insights to senior management, which directly contributed to enhanced business process efficiency and cost reduction initiatives.

### ❖ Freelance Application Developer — Self-Employed

**Duration:** January 2025 – Present

**Location:** Remote

- Developed and deployed responsive full-stack web applications using Java, Python, and Bootstrap, improving user engagement and scalability.
- Delivered multiple client-based E-Commerce websites and data analysis dashboards powered by Pandas, MySQL, and REST APIs for real-time insights.
- Handled end-to-end project lifecycles — from requirement gathering and development to testing and deployment — ensuring timely delivery and client satisfaction.
- Integrated version control systems (Git and GitHub) and delivered stable, production-ready applications by following clean code and version control best practices.

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## PROJECTS :-

### ❖ Web Development Projects

1. **Medical Websites (Freelance):** Developed responsive healthcare websites with appointment scheduling and patient management modules.
2. **Company Attendance System (Freelance):** Built a biometric, QR code, and fingerprint-based attendance tracking system using Django and Python.
3. **E-Commerce (Delivery & Gift Shop):** Created a full-stack web application with integrated payment gateway and admin panel.

### ❖ DATA SCIENCE PROJECTS

1. **Sales & Advertising Analysis:** Analysed sales and marketing data to identify trends, optimize advertising strategies, and improve ROI using Python, Pandas, and visualization tools.
2. **Unemployment Data Analysis:** Explored unemployment datasets to identify patterns, correlations, and regional trends, providing actionable insights for workforce planning.

3. **House Price Regression:** Built a predictive model to estimate house prices based on features like location, size, and amenities using Python, Scikit-learn, and regression techniques.

#### ❖ AI Automations Projects

1. **WhatsApp Chatbot Automation System:** Designed an intelligent WhatsApp chatbot using n8n, APIs, and webhooks to automate user queries, confirmations, and real-time responses.
2. **Automated Email Sender & Notification System:** Built a trigger-based and scheduled email automation system using APIs and workflow tools for alerts, confirmations, and notification tracking.
3. **AI Chatbot Workflow Automation:** Developed scalable AI-powered chatbot workflows integrated with backend APIs to automate dynamic conversations and multi-path user interactions.

#### ❖ Data Analysis Projects

1. **Superstore Sales Dashboard:** Analyzed sales performance using Power BI to identify profitable regions and products.
2. **Employee Performance Analysis Dashboard:** Built a visualization tool in Tableau to track employee productivity and KPIs.
3. **HR Dashboard:** Automated employee data reporting and attrition rate tracking for HR departments.

#### ❖ Database Projects

1. **Airline Database System:** Designed and implemented a relational database for managing flight and passenger details.
  2. **Employee Management System:** Developed CRUD-based application for employee data management using SQL and Python.
  3. **Travel & Tourism Management System:** Created a web-based platform to manage bookings and tour packages efficiently.
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### CERTIFICATIONS :-

- Microsoft Data Science Professional Certificate
  - Google Python C Machine Learning
  - Google AI Essentials Specialization
  - Tata Group - GenAI Powered Data Analytics Job Simulation
  - Deloitte Australia - Technology Job Simulation
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### AWARDS & ACHIEVEMENTS :-

- 3rd Place — Inter-College Hackathon (2022)
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### ADDITIONAL INFORMATION

- **Languages** : English, Hindi
- **Willing to relocate** : Yes
- **Availability** : Immediately