



# SHREYANSH GUPTA

B.Tech. - Computer Science & Engineering

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## BRIEF SUMMARY

I'm Shreyansh Gupta, a 6th semester B.Tech Computer Science and Engineering student at Rungta College (R1), Bhilai. I have a strong interest in Data Science, Artificial Intelligence, and Machine Learning, with hands-on skills in Python, C++ programming and Data Structures & Algorithms (DSA). Passionate about using technology to solve real-world problems, I enjoy exploring new tools, working on AI-driven projects, and continuously improving my technical and problem-solving skills. I'm eager to contribute to impactful projects and grow as a tech professional in the evolving world of AI and data science.

## KEY EXPERTISE

DSA C++ Python Data Analysis

## EDUCATION

### Rungta College of Engineering and Technology

2022 - 2026

B.Tech. - Computer Science & Engineering | Percentage: 60 / 100

### KV Mahasamund, Mahasamund

2022

12<sup>th</sup> | CBSE | Percentage: 69 / 100

### KV Mahasamund, Mahasamund

2020

10<sup>th</sup> | CBSE | Percentage: 79 / 100

## AWARDS AND SCHOLARSHIPS

- Design A Thon

## PROJECTS

### Sales Dashboard for E-Commerce Website

01 Feb, 2025 - 30 Apr, 2025

Mentor: Prof. Sonal Yadav | Team Size: 3

Project Link: <https://github.com/ayushRajak19/sales-dashboard>

The AI-Enabled Sales Dashboard for an E-Commerce Website is a comprehensive data analytics solution designed to provide real-time insights into sales performance, customer behavior, and product trends. This project integrates data science, machine learning, and interactive visualizations to empower decision-makers with actionable intelligence.

The dashboard is powered by AI-driven analytics algorithms that automatically detect sales anomalies, forecast future revenue, identify high-performing products, and segment customers based on purchasing behavior. By leveraging data from multiple sources—such as website traffic, transactions, and customer feedback—the platform provides a unified view of business performance.

Key Features:

Interactive Dashboard: Built using tools like Power BI / Tableau / Dash / Streamlit for intuitive visualizations.

Real-Time Data Integration: Live syncing with e-commerce platforms (e.g., Shopify, WooCommerce, or custom APIs).

Sales Forecasting: Predictive models using time-series forecasting (ARIMA, Prophet, LSTM).

Customer Segmentation: AI-driven clustering (K-Means, DBSCAN) based on RFM (Recency, Frequency, Monetary) analysis.

Product Performance Insights: Identify bestsellers, underperformers, and seasonal patterns.

Anomaly Detection: Automated detection of unusual spikes or drops in sales using statistical and ML methods.

Revenue Attribution: Track the effectiveness of marketing channels and campaigns.

### Alexa controlled IoT Device

01 Jan, 2025 - 28 Feb, 2025

Mentor: Ashish Soni | Team Size: 3

Built a smart IoT system integrated with Amazon Alexa to control devices like lights and fans through voice commands. The project involved microcontroller programming, cloud service integration, and real-time communication protocols (MQTT), creating an affordable automation solution for educational institutions and homes.

PUBLICATIONS / RESEARCH / WHITE PAPERS

AI POWERED DEVICE FOR NON-INVASIVE EARLY DETECTION OF ORAL PRECANCEROUS 22 Feb, 12 Feb, 2025  
2025 LESIONS

Utility Patent | **Mentor:** Porf. Huma Khan | **No. of Authors:** 10  
This patent involves a handheld AI-powered device designed for the non-invasive early detection of oral precancerous lesions. The device likely uses AI-driven analysis (possibly via image processing, sensors, or data inputs) to identify early-stage lesions in the oral cavity before they develop into malignant cancers.  
The innovation aims to:  
> Provide rapid, accurate, and non-invasive screening for oral cancer risks.  
> Be portable and accessible, improving oral health screening in both clinical and rural/remote settings.  
> Aid early diagnosis, which significantly improves treatment outcomes and reduces healthcare burdens.  
> If you'd like, I can also help you draft a project synopsis, abstract, or a pitch presentation outline for this invention. Would you like that?

ASSESSMENTS / CERTIFICATIONS

Data Analytics - Intermediate Level 07 Jul, 2026

**Aggregate:** 76 / 100  
This Data Analytics course provided by our College provides a practical introduction to collecting, cleaning, analyzing, and visualizing data for informed decision-making. Through hands-on projects and tools like Python, SQL, and Power BI/Tableau, learners gain the skills needed to turn raw data into meaningful insights across various domains.

Machine Learning & Data Science Program 07 Jul, 2026

**Aggregate:** 76 / 100  
This Machine Learning and Data Science course provides a comprehensive foundation in data handling, statistical analysis, and machine learning algorithms. Learners gain hands-on experience in building predictive models, working with real-world datasets, and deriving actionable insights using Python and industry-standard tools.

CO-CURRICULAR ACTIVITIES

- Graphic Design, Web Development

EXTRA CURRICULAR ACTIVITIES

- Table Tennis

PERSONAL INTERESTS / HOBBIES

- Playing Video Games, Reading Books

IMs

- WhatsApp - 7909389263

PERSONAL DETAILS

**Gender:** Male

**Marital Status:** Single

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**Date of Birth:** 18 Jul, 2004

**Known Languages:** Hindi, English, German

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