



# 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

Data Science | AIML | DSA | C++ | Python

## EDUCATION

### Rungta College of Engineering and Technology

2022 - 2026

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

### Kendriya Vidyalaya Mahasamund, Mahasamund

2022

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

### Kendriya Vidyalaya Mahasamund, Mahasamund

2020

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

## PROJECTS

### DrishtiAI

16 Jun, 2024 - 16 Sep, 2025

Mentor: Prof. Huma Khan | Team Size: 5

Key Skills: Image Processing | AI | SpaceTech

DrishtiAI is a custom AI-based solution developed for enhancing low-light images captured by the Orbiter High-Resolution Camera (OHRC) on Chandrayaan-2. It improves the signal-to-noise ratio in images from permanently shadowed regions (PSRs) of the Moon, aiding lunar research, landing site selection, and geomorphological analysis.

### AI Enabled Sales Dashboard for E-Commerce Website

01 Feb, 2025 - 30 Apr, 2025

Mentor: Ashish Soni | Team Size: 4

Key Skills: Data Analysis | AIML

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.

Technologies Used:

Data Sources: SQL/NoSQL databases, CSVs, Google Analytics, e-commerce APIs

Languages: Python, SQL

Libraries: Pandas, NumPy, Scikit-learn, Plotly, Prophet, Matplotlib, Seaborn

Visualization Tools: Power BI / Tableau / Streamlit / Dash

Deployment (Optional): Docker, AWS / Heroku / GCP

Impact:  
This project helps e-commerce businesses make informed decisions, optimize marketing and inventory strategies, and improve customer satisfaction. By embedding AI into the dashboard, users benefit from predictive and prescriptive analytics that go beyond static reporting.

Alexa controlled IoT Device01 Jan, 2025 - 28 Feb, 2025

Mentor: Ashish Soni | Team Size: 3

Key Skills: IoT Alexa Smart Devices

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.

Bazaar04 Apr, 2024 - 06 Apr, 2024

Team Size: 2

Key Skills: Web Development E Commerce UI/UX

Bazaar is a community-driven e-commerce platform that connects local vendors with buyers. Designed to digitize traditional marketplaces, it supports product listings, inventory tracking, secure payments, and customer engagement tools—bridging the digital divide for small retailers and artisans.

Insightify16 Sep, 2023 - 18 Sep, 2023

Team Size: 4

Key Skills: Data Visualization Business Intelligence AI Analytics

Insightify is a versatile analytics and visualization platform that helps businesses unlock hidden patterns in their data. It features AI-based insights, customizable dashboards, predictive analytics, and integration with multiple data sources, enabling informed decision-making across departments like sales, marketing, and operations.

Raise Hydroponics Management System26 Jan, 2023 - 26 Jan, 2023

Team Size: 4

Key Skills: IoT App Development Computer Vision

Developed an intelligent system to monitor and manage hydroponic farms. The platform includes real-time monitoring of nutrient levels, pH, humidity, temperature, and water flow using IoT sensors. It also features an intuitive dashboard for farmers to control environmental conditions, get alerts, and optimize plant growth without soil.

Raise Payments05 Nov, 2022 - 06 Nov, 2022

Team Size: 4

Key Skills: Transaction Analytics Payment Gateway FinTech

Raise Payments is a secure, fast, and user-friendly digital payments solution designed for local businesses and vendors. It supports multiple payment methods (UPI, cards, wallets) and features real-time transaction tracking, vendor settlements, and analytics to empower merchants with financial insights and improved cash flow management.

PUBLICATIONS / RESEARCH / WHITE PAPERS

AI POWERED DEVICE FOR NON-INVASIVE EARLY DETECTION OF ORAL PRECANCEROUS LESIONS

22 Feb, 2025

Utility Patent | MYCrave Consultancy and Services | **Mentor:** Porf. Sonal Yadav | **No. of Authors:** 10

**Key Skills:** AI Oral Health and & Pathology Expertise Medical Device Development

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?

ACHIEVEMENTS

- o Design-A-Thon Winner, Best Speaker Rungta Toastmasters Club

ASSESSMENTS / CERTIFICATIONS

Data Analytics - Intermediate Level

20 May, 2028

**Aggregate:** 76 / 100

**Key Skills:**

Data Cleaning Data Visualization Statistical Analysis SQL Python Machine Learning Basics Power BI / Tableau  
Critical Thinking

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.

MERN Full Stack Development - Intermediate Level

20 Jun, 2027

**Aggregate:** 76 / 100

**Key Skills:** HTML5 CSS3 JavaScript React.js Node.js Express.js MongoDB RESTful APIs

This MERN Stack Web Development course equips learners with the skills to build full-stack web applications using MongoDB, Express.js, React, and Node.js. The course covers both front-end and back-end development, RESTful APIs, and deployment, providing end-to-end knowledge to develop modern, scalable web applications.

Complete Machine Learning & Data Science Program

16 Jun, 2027

**Aggregate:** 80 / 100

**Key Skills:**

Python NumPy Pandas Data Cleaning and Preprocessing Data Visualization Scikit-learn Scikit Neural Networks  
Problem Solving Critical Thinking

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.

POSITIONS OF RESPONSIBILITY

Lead Graphic Designer

As the **Lead Graphic Designer** for *Beacon*, the official annual magazine of **Rungta College of Engineering and Technology**, I was responsible for shaping the visual identity and creative direction of the publication. This included conceptualizing, designing, and overseeing the layout, illustrations, typography, and overall aesthetics of the magazine to ensure a cohesive and impactful reading experience. Collaborating closely with the editorial team, photographers, writers, and fellow designers, I translated written content into compelling visual stories, aligning the magazine's design with its theme and vision. I also managed the end-to-end design process—from wireframing and prototyping to final print-ready production—while adhering to tight deadlines and maintaining high design standards.

Key Responsibilities:

- Led the visual design and layout of a 50–100+ page annual print publication.
- Developed the magazine's visual theme, cover design, and section-wise styling.
- Created original illustrations, digital artworks, and graphic elements to complement written content.
- Coordinated with editorial and photography teams for content placement and image selection.
- Ensured print quality and resolution consistency across pages; prepared files for press.
- Mentored junior designers and delegated design tasks to maintain workflow efficiency.

Tools Used:

Adobe InDesign, Illustrator, Photoshop, Canva, Figma (for initial layout planning)

Impact:

The final edition of *Beacon* was praised for its striking design, intuitive layout, and professional finish, contributing significantly to the magazine's engagement and recognition across the campus and alumni network.

CO-CURRICULAR ACTIVITIES

- Graphic Design, Web Development, lot

EXTRA CURRICULAR ACTIVITIES

- Table Tennis

PERSONAL INTERESTS / HOBBIES

- Reading Books, Playing Video Games

IMs

- WhatsApp - 7909389263

PERSONAL DETAILS

**Gender:** Male  
**Marital Status:** Single  
**Current Address:** Gupta Para Arang, Chhattisgarh, Arang,  
Chhattisgarh, India - 493441  
**Emails:** 5hrey4nsh@gmail.com , shreyanshgupta246@gmail.com

**Date of Birth:** 18 Jul, 2004  
**Known Languages:** Hindi, English, German  
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