GAUTAM DUA

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EDUCATION

Shri Ram Murti Smarak College of Engineering and Technology,
Bareilly, India
October 2022 - May 2026
Bachelors of Technology – Computer Science and Engineering
(5th sem- 80%)

Air Force School
Bareilly, India
April 2021 - April 2022
Class XII – CBSE (94.3 %)

SKILLS

- **Programming**:   Python (Programming Language), Java ,Data Structures, OOPS, React, Nodejs, MongoDB
- **Big Data**:   Power BI
- **Databases**:   NoSQL- MongoDB, SQL - MySQL, MySQL Workbench
- **Tools/Platforms**: Git, Windows, Jupyter Notebook
- **Soft Skills**:   People Management, Event Management

PROJECTS

ADVANCE AUTHENTICATION SYSTEM

- Built using MERN stack, Framer Motion, and NodeMailer, this project is a secure authentication system where users receive an OTP to verify their email and can also reset their password.

DISASTER MANAGEMENT APP

- Developed with Flutter, Dart, and Node.js, this mobile application uses AI to analyze images, predict the type and intensity of natural disasters, and help authorities respond effectively.

YATRIPATH

- A mobile app created using Flutter, Dart, Node.js, and AR Core. It provides seamless indoor navigation within railway stations using Augmented Reality to guide users to platforms, exits, and amenities

PREDICTING PLANT GROWTH USING POWER BI

- This project utilizes Power BI and Excel to build interactive dashboards that visualize environmental data such as sunlight, humidity, and temperature to predict plant growth trends.

IDENTIFYING SHOPPING TRENDS USING DATA ANALYTICS

- Using Python, Pandas, Matplotlib, and Excel, this project analyzes consumer purchase data to uncover trends, seasonal patterns, and insights for better business decisions.

CERTIFICATIONS

Course on Artificial Intelligence   **June 2024**

- The Artificial Intelligence course introduced core AI concepts like machine learning and neural networks. I learned to build, train, and test models using real-world data.

Online Course on Java   **April-2024**

- The Online Java Course provided a strong foundation in Java programming, focusing on object-oriented principles and practical application development.

POSITION OF RESPONSIBILITY

Secretary   **Feburary-2025**

- Playing a key role in the organizing committee for major technical competitions and events at the college

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AWARDS AND RECOGNITIONS

B.Tech Navy Entry Scheme   **October-2022**

- Successfully cleared initial rounds and advanced to the prestigious SSB (Services Selection Board) conference round for the Indian Navy's B.Tech Entry Scheme.

C Programming Quiz   **November-2023**

- Secured 2nd place in a competitive C programming quiz, demonstrating strong problem-solving and coding skills under timed conditions.

Hackathon Achievements   **2023-2025**

- Secured **3rd position** in the hackathon *"Secure Wireless Controller for Handheld Remote Cooperation of Traffic Signals in Peak Hours"* for developing an innovative traffic management solution using handheld wireless control.
- Won the **"Most Scalable Solution"** award at a national-level hackathon organized by **UCER College, Prayagraj**, for presenting a highly adaptable tech solution.
- Participated in the **Dark Pattern Buster Hackathon 2024**, focused on ethical user interface design, where we proposed solutions to combat manipulative UI patterns.

Academic Scholarship   **October-2023**

- Received a ₹30,000 scholarship for academic excellence, awarded for achieving 84% in the first year of B.Tech.

Inter-College Badminton Tournament   **April-2024**

- Achieved 3rd place in an inter-college badminton championship, showcasing team coordination, strategy, and physical endurance.