

# ROHIT BAHUGUNA

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## EDUCATION

### G. B. Pant Institute of Engineering & Technology

Bachelor of Technology

Major in Electronics and Communication

Pauri Garhwal, Uttarakhand

Expected June 2024

**Relevant Coursework:** C, C++, Mathematics, Data Structure, Microcontroller & Microprocessor, Python, IoT, Analog Communication, and Computer Networks.

## STRENGTH

<b>Programming</b>	C++, Python, Java(Basic), SQL, Pandas, NumPy, Matplotlib.
<b>Visualization</b>	Microsoft Access, Microsoft Excel, Tableau and SQL Workbench.
<b>Tools</b>	Visual Studio Code, Git, and AWS
<b>Database</b>	MySQL, MongoDB, Firebase, Oracle.
<b>Soft Skills</b>	Excellent Verbal and Written Communication, Leadership, and Team worker.

## WORK EXPERIENCE

### TRINITY

Data Analytics Intern

Remote

Jan, 2023 – Mar, 2023

- Deployed advanced SQL querying techniques to efficiently extract, transform, and load heterogeneous data from multiple sources into the database, ensuring data integrity and accessibility for analytical purposes.
- Utilized SQL, Microsoft Excel, and data visualization tools to analyze extensive datasets, produce compelling reports, and drive strategic decision-making, resulting in a 30% increase in operational efficiency and a 20% reduction in decision-making time.
- Built Tableau dashboard to visualize core business KPIs (e.g. Monthly Recurring Revenue), saving 10 hours per week of manual reporting work.

### EMERTEX

Embedded System Intern

Remote

April, 2023 – May, 2023

- Spearheaded the development of a prototype for embedded systems hardware and firmware utilizing C, and C++, achieved a 30% reduction in power consumption compared to previous models, optimizing performance and functionality.
- Coordinated IoT connectivity initiative, integrating 15+ sensors to optimize data collection, storage, and analysis via cloud platforms, resulting in a 60% increase in operational efficiency and a 40% reduction in data processing time.

## PROJECTS

### INSTAGRAM USER TREND ANALYSIS

Jan, 2023

- Analyzed Instagram user trends utilizing SQL Workbench and Microsoft Excel, extracting actionable insights that drove a 30% increase in engagement and informed strategic decisions for content optimization.
- Applied MySQL queries to gather and process data, generating an interactive report that encapsulated trends, user behaviors, and engagement patterns on Instagram.
- Used Microsoft Excel for comprehensive data visualization, enabling stakeholders to make informed decisions based on the analysis of Instagram user trends, ultimately enhancing strategic planning and content optimization.

### DEMOGRAPHIC DATA ANALYZER

Aug, 2023

- Employed Pandas to conduct comprehensive data analysis of the 1994 Census database; identified key demographic trends, enabling the development of highly targeted marketing strategies and driving a 20% increase in customer acquisition.
- Conducted an in-depth data analysis using the Pandas library, applying advanced group by, filtering, and aggregation functions, resulting in a 20% improvement in data accuracy and a 15% reduction in processing time.

## ACTIVITIES

- Led a team at the national Hackathon at Roorkee, honing my executive presence, leadership, and interaction skills to drive our project to success.
- Achieved 4 star for Python and SQL proficiency at [HackerRank](#) Platform.
- Demonstrated exceptional mathematical prowess by winning the district Olympiad.