



# Ankush Kumar Ramteke

M.Tech in Manufacturing Science & Engineering  
Indian Institute Of Technology, Guwahati

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## EDUCATION

| Degree                                      | Institute/Board | CGPA/Percentage | Year    |
|---|-----------------|-----------------|---------|
| M.Tech. Manufacturing Science & Engineering | IIT Guwahati    | 7.96            | 2022-24 |
| B.Tech. Mechanical Engineering              | BIT Durg        | 6.95            | 2015-19 |

## EXPERIENCE

- **Software Develop and Instructor** March,25 - present  
*Nxtwave Institute of Advance technology* Hyderabad-Noida
  - Working as a Software Developer And Instructor, guiding students in full-stack development and data science using industry-relevant tools and technologies.
  - Developed and deployed interactive web applications using HTML, CSS, JavaScript, React.js, Python, and SQL.
- **Junior Research Fellow** January,25 - March,25  
*Multifunctional Nanorobots for Targeted Delivery and on-demand Photo-Thermal Applications* IIT Bhilai
  - Integrating DC supply voltage with Arduino to control nanoparticle movement in fluid for targeted delivery and other applications.
  - Prototyped a Python-based GUI to control nanoparticle motion along a defined path using magnetic coils.
- **People for Animals Durg-Bhilai unit 2** 2020-22  
*Social Media Head & Design Intern* Durg, Chhattisgarh
  - Managed all social media platforms, including YouTube, LinkedIn, Instagram, and Facebook, for PFA Durg Bhilai, collaborating with creative teams, field volunteers, and medical teams.
  - Designed and implemented an automated Google Form and Sheets system for reporting, registering, and managing cases.

## PROJECTS

- **Experimental and predictive studies of Submerged Arc Additive Manufacturing Method** 2024  
*Dr. Shrikrishna N. Joshi, Dept. of Mech., IIT Guwahati* MTP
  - Applied data analysis, statistical modeling, and machine learning to enhance Submerged Arc Additive Manufacturing (SAAM) processes.
  - Achieved a 20% increase in efficiency and a 15% reduction in material waste, demonstrating SAAM's potential in the aerospace, automotive, and energy sectors.
- **Hospital Management Model using Python interface.** August, 2023  
*Python GUI, SQLite* Github
  - Engineered a user-friendly hospital management application using Python and SQL, incorporating Tkbootstrap for an enhanced interface.
  - Optimized patient appointment scheduling efficiency, reducing average wait times by 25%.
- **Diwali Sales Visualisation** 2023  
*Tableau Public* Tableau
  - Constructed a comprehensive data visualization model using Tableau, analyzing over 10,000 transaction records during Diwali.
  - Extracted insights that enhanced inventory management strategies, reducing stockouts by 15% during peak sales periods.

## TECHNICAL SKILLS

- **Programming Languages:** Python, SQL,
- **Framework Tools:** Flutter, SQLite
- **Data Visualization:** Tableau, Power BI
- **Data Analytics:** Statistical analysis, machine learning, predictive modeling

ACHIEVEMENTS & CERTIFICATIONS

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- **Data Analytics using Python**,freecodecamp.org 2024
    - Data Analytics using Python, freecodecamp.org, 2024Completed 300 hours of hands-on work, mastering data analytics using Python, Numpy, Pandas, and visualization tools to gain in-depth knowledge.
  - **Product Matters, E-cell, IITG**,Bootcamp 2022
    - Experienced various phases of a product’s lifecycle and acquired a deep understanding of operational dynamics at each stage.
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