TUSHAR GARG

Delhi, India | +91-9310457699 | phenominal0525@gmail.com | http**:**//linkedin.com/in/tushargarg25 |
GitHub: https://github.com/TusharGarg07|

SUMMARY

IT & Data Analysis Intern with a strong interdisciplinary background in **Biotechnology, AI, and Data Analytics**, experienced in building **real-world AI systems for manufacturing inspection and environmental risk monitoring**. Hands-on experience with **machine learning, sensor data analysis, FastAPI-based systems, and practical IT system design** for on-site industrial use. Actively seeking opportunities to apply data-driven problem-solving skills in **manufacturing, environmental AI, or applied analytics roles**, with professional working proficiency in **Japanese (JLPT N3 level)**.

EDUCATION

AMITY UNIVERSITY, NOIDA   2022 - 2026

Bachelor of Technology in Biotechnology, CGPA- 8.5

DL DAV MODEL SCHOOL, SHALIMAR BAGH, DELHI

Class 12th - CBSE Board, 89.7% (PCB With M)   2019

Class 10th - CBSE Board, 84.30%

PROJECTS

VERITAS – AI-based Indoor Environmental Risk Intelligence System

- Designed an AI system to analyse indoor air quality using multi-parameter sensor data.
- Implemented automated risk scoring, visualization dashboards, and report generation.

ZenKensa – AI-assisted Metal Surface Inspection System

- Built inspection-support pipelines using computer vision and lightweight AI models.
- Focused on industrial usability and on-site deployment considerations.

HIV Drug Resistance & Prediction Tool (Ongoing)

- Bioinformatics + machine learning-based predictive system for drug resistance analysis.
- Utilized biological databases and ML models for outcome prediction.

House Price Prediction System

- Implemented regression-based predictive models using structured datasets

SKILLS & EXPERTISE

Programming & Scripting

- Python, JavaScript, Java, C, C++

Full-Stack Development

- **Frontend:** HTML, CSS, JavaScript, React.js
- **Backend:** Node.js, Express.js, FastAPI
- REST APIs & Web Services

AI / Data & Analytics

- Machine Learning Algorithms, Computer Vision, Predictive Modeling, Sensor Data Processing, Statistical Analysis

Frameworks & Libraries

- TensorFlow / TensorFlow Lite, NumPy, Pandas, Matplotlib, Scikit-learn

Databases & Systems

- MySQL, SQLite, Database Management Systems (DBMS)

Tools & Platforms

- Git, GitHub, VS Code, NetBeans, Jupyter Notebook

Domain Knowledge

- Manufacturing IT Systems, Process Optimization (Manufacturing), Environmental & Indoor Air Quality Analytics & Bioinformatics (BLAST, Biopython – foundational)

EXPERIENCE

IT & Data Analysis Intern (Environmental AI Systems)
Anant Raj Cloud Data Center (*May 2025 – Oct 2025*)

- Worked on **VERITAS**, an AI-based indoor air quality monitoring and risk intelligence system.
- Analysed multi-parameter **sensor data** and implemented risk scoring, visualization, and reporting workflows.
- Contributed to backend services and dashboards for **environmental health decision support**.

IT & Data Analysis Intern (AI / Manufacturing Systems)
Project-based | ZenKensa – Manufacturing Inspection System (*Dec 2025 – Present*)

- Worked on an AI-assisted metal surface inspection system for manufacturing environments using computer vision and ML models.
- Supported inspection report automation and decision-support workflows, with AI assisting human inspectors.
- Contributed to industrial IT system design focusing on reliability, usability, and on-site deployment.

CERTIFICATIONS

- **AI & Machine Learning Core Certification|2025**
  Gained core understanding of machine learning concepts, algorithms, model training, evaluation, and applied AI use cases.

- **Python for Data Science| 2025**
  Covered data analysis, visualization, and machine learning fundamentals using Python libraries such as NumPy, Pandas, and Matplotlib.

- **Microsoft-related Technical Certification| 2025**
  Acquired practical experience with Microsoft tools for data handling, documentation, and professional productivity.

- **Full-Stack Web Development | 2024**
  Learned end-to-end web application development using HTML, CSS, JavaScript, React.js, Node.js, REST APIs, and backend integration.

- **Version Control with Git & GitHub Certification| 2025**
  Developed skills in source code management, branching, collaboration workflows, and project version control using GitHub.

- **Data Analysis & Excel Certification – Udemy | 2025**
  Learned data cleaning, analysis, visualization, and reporting using Excel functions, pivot tables, and analytical tools.

- **Soft Skills Development – NPTEL| 2024**

LANGUAGES

- **English:** Professional Proficiency
- **Hindi:** Native
- **Japanese:** JLPT N3 (Working Proficiency)
- **Russian:** Beginner (A1)

CO-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Participated in national and inter-college **hackathons and technical competitions** focused on AI, data analytics, and system development.
- Recognized for **team coordination and leadership** during academic and project-based activities.
- Balanced academic responsibilities with **continuous skill development** in AI, data analysis, and full-stack systems.

Available for IT, Data Analysis, Manufacturing AI, and Environmental AI roles. Open to learning, relocation, and cross-cultural work environments.