

# Tanishk Raj

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## SKILLS

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<b>Programming:</b>	Python, C, C++, Java
<b>Libraries &amp; Frameworks:</b>	Pandas, NumPy, Scikit-learn, Regex, NetworkX
<b>Data Visualization:</b>	Power BI, Tableau, Excel
<b>Databases:</b>	MySQL, MongoDB
<b>Machine Learning:</b>	Supervised Learning, Unsupervised Learning, Feature Engineering, Model Evaluation
<b>Core Competencies:</b>	Data Analysis, Data Cleaning, Exploratory Data Analysis (EDA)
<b>Soft Skills:</b>	Communication, Teamwork, Analytical Thinking

## PROJECTS

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### **Job Market Intelligence Platform** | *Python, Streamlit, Pandas, NLP (Regex), NetworkX (Graph Theory)* | [Link](#) Mar' 26

- Architected a Python ETL pipeline using Pandas and Regex to process 6,500+ unstructured job postings, standardizing salary data and extracting 88 technical skills.
- Implemented a graph-based recommendation engine using NetworkX to model skill co-occurrences and identify high-demand career pathways.
- Built an interactive Streamlit app and Power BI dashboard to analyze salary gaps and visualize evolving job market trends.

### **Desktop & Device Performance Analytics Dashboard** | *Power BI* | [Link](#) Oct' 25

- Constructed a multi-page Power BI dashboard analyzing CPU, GPU, RAM, display, and pricing data using Power Query and DAX.
- Developed interactive slicers, drill-downs, and KPI cards for dynamic analysis across brands and device categories.
- Identified pricing trends and performance differences to support comparative analysis across leading hardware brands.

### **Flipkart Fake Review Detection System** | *Python, NLP (TextBlob), Logistic Regression, Streamlit* | [Link](#) Jan' 26

- Designed a fraud detection system on 363K+ eCommerce reviews using Pandas for data cleaning, preprocessing, and EDA.
- Engineered NLP features and trained a Logistic Regression model to classify over 30% of reviews as fraudulent.
- Deployed a real-time Streamlit application and Power BI dashboard to enable actionable insights and monitoring.

## TRAINING

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### **Community Development Program** May' 24 - Jul' 24

- Participated in community cleaning drives, reinforcing teamwork and leadership skills in public welfare projects.
- Coordinated awareness messaging to motivate residents towards active involvement in environmental protection.

## ACHIEVEMENTS

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- Solved 250+ DSA problems on platforms like LeetCode, CodeChef, and GeeksforGeeks, covering key topics such as Linked List, Binary Search, Trees, Graphs, Dynamic Programming, and Advanced Data Structures.
- Strengthened algorithmic thinking by optimizing solutions using time and space complexity analysis.

## CERTIFICATES & CERTIFICATIONS

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NPTEL Online Certifications in Cloud Computing | NPTEL | [Link](#) Oct' 25

Data Science with Excel, Tableau & R programming | CSE Pathshala | [Link](#) July' 25

Database Structures and Management with MySQL | Coursera | [Link](#) Mar' 26

Data Analysis and Visualization with Power BI | Coursera | [Link](#) Mar' 26

## EDUCATION

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**Bachelor of Technology – Computer Science & Engineering** Phagwara, Punjab  
Lovely Professional University Aug' 23 – Present  
CGPA: 7.5

**Intermediate - PCM** Patna, Bihar  
Open Minds A Birla School, Patna Mar' 21 – May' 22  
Percentage: 67%

**Matriculation** Patna, Bihar  
Open Minds A Birla School, Patna Mar' 19 – May' 20  
Percentage: 80%