

# Karan Panchal

Jind, Haryana – India

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## Objective

To obtain a Data Analyst position in a reputed organization where I can leverage my skills in data preprocessing, data visualization, and statistical analysis to derive meaningful insights and support data-driven decision-making. I aim to contribute to innovative projects by applying advanced analytical techniques and tools while continuously enhancing my expertise in business intelligence and predictive analytics.

## Education

### Lovely Professional University

Bachelor of Technology in Computer Science and Engineering, CGPA:

Jalandhar, Punjab

2026

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Artificial Intelligence, Computer Networks, Software Engineering

### Kendriya Vidyalaya AFS Bidar

Senior Secondary School Certificate (12th Grade), Percentage: 89%

Bidar, Karnataka

2021

Key Subjects: Physics, Chemistry, Mathematics, Computer Science

### Kendriya Vidyalaya AFS Avadi

Secondary School Certificate (10th Grade), Percentage: 92%

Chennai, Tamil Nadu

2019

## Technical Skills

**Programming Languages:** Python, Java, R

**Tools/Technology :** AWS, Tableau, Power Bi

**Operating Systems:** Linux, Windows

**Soft Skills:** Critical Thinking Skills, Team Player, Adaptability

## Projects

### • JARVIS - Conversational Image Recognition Chatbot:

(October 2024)

- Tech Stack: Python-based, using Gemini for language processing and Streamlit for the UI.
- Functionality: Combines image recognition with conversational AI using transformers.
- Purpose: Enables natural language interactions based on visual data analysis.
- Tech: Python, Gemini, Streamlit, transforms
- Link: <https://github.com/Karan-Panchal-192/Conversational-Image-Recognition-Chatbot.git>

### • Pdf Text Recognition Chatbot:

(August 2024)

- Tech Stack: Python-based, using Streamlit for the UI, PyPDF2 for PDF parsing, and Langchain.
- Functionality: Extracts and analyzes text from PDFs with conversational capabilities.
- Purpose: Allows users to interact with and retrieve insights from PDFs via a chatbot.
- Tech: Python, Streamlit, PyPDF2, Langchain
- Link: <https://github.com/Karan-Panchal-192/Pdf-text-Recognition-Chatbot.git>

### ● Manga Dashboard:

(June 2024)

- Tech Stack: Built using Excel for data organization and visualization.
- Functionality: Tracks and analyzes manga-related data through interactive dashboards.
- Purpose: Provides insights and trends on manga collections and statistics.
- Tech: Excel, Tableau
- Link: <https://github.com/Karan-Panchal-192/Mang-Excel-Dashboard.git>

## Certifications

- **AWS** - Cloud Essentials - Knowledge Badge Readiness Path (Completed in September 2024)
- **Geeksforgeeks** - Complete Interview Preparation (Completed in July 2024)
- **Coursera** - Vanderbilt University – Generative AI Large Language Model (Completed in July 2024)
- **NPTEL** – IIT Madras – Deep Learning (Completed in December 2024)

## AI Recommendations for Improvement

**Recommendation 1:** Refine Career Objective – Clearly specify your target role and key skills.

**Recommendation 2:** Enhance Project Descriptions – Highlight technical challenges, solutions, and measurable impact.

**Recommendation 3:** Pursue Relevant Certifications – Obtain industry-recognized certifications

## Self-Assigned Tasks (Till 10<sup>th</sup> week of this semester)

**Task 1:** Complete a Certification – Enroll in and complete relevant certifications or courses, such as “IBM Python for Data Science, AI & Development” on Coursera.

**Task 2:** Develop a New Project.

**Task 3:** Strengthen Technical Skills – Deepen knowledge in Data Science, Machine Learning, APIs through online courses or practical implementation.

## Targets Allocated (Till 10<sup>th</sup> week of this semester)

### Targets Allocated

- IBM Python for Data Science (Coursera).
- Project : (Related to) Machine Learning.
- NPTEL Certification (Competitive Programming).

## Signatures

Karan Panchal

*Student's Full Name*

Kamaljeet Kaur Dhillon

*Instructor's Full Name*

