

# PANKAJ KUMAR GOYAL

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## Education

### MBM University, Jodhpur

7.63/10 CGPA

*B.E. in Computer Science & Engineering | 2023 - 2027*

### Tagore International School, Rajasthan

93 %

*CBSE 12th - PCM + IP | 2021 - 2022*

### Tagore International School, Rajasthan

88.2 %

*CBSE 10th | 2019 - 2020*

## Work Experience

### Entrepreneurship and Incubation Cell (EIC), MBM University

Sept 2024 – Present

*Web Developer*

[Website](#)

- Developed and optimized EIC's official website using HTML, CSS, and JavaScript, improving accessibility and user experience for students and entrepreneurs.

### GirlScript Summer of Code (GSSoC-Ext 2024)

1 Oct 2024 - 10 Nov 2024

*Open Source Contributor*

- Enhanced machine learning project quality by refining data analysis, debugging model accuracy, and resolving technical issues for improved reliability.
- Collaborated with developers to optimize functionality and elevate user experience on Good Universe's platform.

## Projects

### Neural Network from Scratch for Digit Recognition

[Source Code](#)

- Built a neural network from scratch using Python and NumPy, applying it to the MNIST dataset for handwritten digit recognition.
- Enhanced model accuracy through experimentation with hidden layers and activation functions, resulting in a 8% performance improvement.
- Documented the project in a Medium blog, sharing insights into neural network concepts and implementation challenges.

## Technical Skills

**Languages:** Python, C/C++

**Development:** HTML, CSS

**Machine Learning:** : Linear Regression, Logistic Regression, Neural Networks, TensorFlow, Scikit-Learn

**Data Analysis:** NumPy, Pandas, Matplotlib, Seaborn

**Tools & Frameworks:** Git, GitHub, Kaggle, Jupyter

**Soft Skills:** Team Collaboration, Time management, Leadership, Problem-Solving, technical writing

## Certifications

- Machine Learning Specialization**, by Andrew Ng (Coursera)
- Google AI Essentials**, by Google (Coursera)

## Achievements

- Participated in the **5-day Generative AI Bootcamp by Kaggle and Google**, gaining hands-on experience in developing generative AI solutions using **TensorFlow** and **Google Cloud**.
- Written blog on **Neural Network from Scratch** on [Medium](#)
- Solved 100+ DSA questions on platforms like [Leetcode](#) and [CodeChef](#) in C/C++ and Python.
- Active participant on [Codeforces](#) with a rating of **800+**, showcasing advanced problem-solving and algorithmic skills in C++.
- Completed all four levels of Hacktoberfest 2024, contributing to open-source projects and earning all badges.