

Ayush Kumar

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SKILLS

- **Languages:** Python
- **Frameworks:** TensorFlow, OpenCV
- **Tools/Platforms:** Scikit-learn, NumPy, OpenCV, Pandas
- **Soft Skills:** Problem-Solving Skills, Team Player, Project Management, Adaptability

PROJECTS

- **Image Captioning Using LSTM and CNN** [3 months]
Developed a deep learning model that generates descriptive captions for images by combining Convolutional Neural Networks (CNNs) for feature extraction and Long Short-Term Memory (LSTM) networks for sequence generation. Improved image-to-caption accuracy through optimized network architecture.
Tech: Python, TensorFlow, CNN, LSTM, NumPy, Matplotlib
- **Customer Segmentation System by Analyzing Customer Data and Their Purchasing Behaviour** [3 months]
Designed and implemented a system to segment customers based on their purchasing behaviour and demographic data using machine learning techniques. The project aimed to provide actionable insights for targeted marketing strategies and enhanced customer experience.
Tech: Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, K-Means Clustering

CERTIFICATES

- Data Structures Deep Dive Using C by Ebox [completed in 2024]
- Cloud Computing by NPTEL [completed in 2024]
- Introduction to Large Language Models by Google Cloud [completed in 2024]
- The Bits and Bytes of Computer Networking [completed in 2023]

ACHIEVEMENTS

- **Secured the rank of Best Executive Member in Happy Club:**
Recognised for outstanding contributions and leadership during a tenure of 2 years.
- **Hockey:**
Under 14 state level player represent Bihar. •
KVS National level player
- **Participated in a Webinar on Leadership Building:**
Engaged in discussions and activities focused on enhancing leadership skills.

EDUCATION

- **Lovely Professional University** Phagwara, Punjab
Bachelor of Technology - Computer Science and Engineering; CGPA :- 6.10
- **Kendriya Vidyalaya No.2 Bailey Road Patna** Patna, Bihar
Class 10 August 2019 – May 2020.
- **Vidya Shanskar School** Patna, Bihar
Class 12 August 2021 – May 2022.