

Ashutosh Kumar

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SKILLS

- C/C++
- Python
- SQL
- Machine/ Deep Learning
- GCP
- NLP
- Computer Vision
- MLOps

OTHERS

- Python Libraries : Numpy, Pandas, Matplotlib, Seaborn, Sklearn, NLTK, OpenCV, TensorFlow, Keras, Streamlit, PyTorch
- Tools: DevC++, Jupyter Notebook, Google Colab, Kaggle, SPSS, Microsoft Project, Pycharm, Tableau, PowerBI
- Github/Git, MLflow
- Platforms: Windows, Linux

COURSEWORK

Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Artificial Intelligence, Object Oriented Programming, Data Structure and Algorithms, Data Analysis, Data Visualisation, Web Scraping, IBM SPSS, Shell Scripting, Project Management, Generative AI with LLM.

CERTIFICATION

NLP SPECIALISATION
SQL ESSENTIAL TRAINING
GIT ESSENTIAL TRAINING

EDUCATION

B.TECH

LOVELY PROFESSIONAL UNIVERSITY |
2019-2023
CGPA: 7.43/10.0

SENIOR SECONDARY (CBSE)
PRESIDENCY GLOBAL SCHOOL | 2018

SECONDARY (CBSE)
PATLIPUTRA CENTRAL SCHOOL |
2016

LINKS

www.linkedin.com/in/ashutosh-kun
www.github.com/Ashutosh-4485

EXPERIENCE

UNICONVERGE TECHNOLOGIES | FEB,2024 - PRESENT MACHINE LEARNING ENGINEER

- Worked in a cooperative team to comprehend the bitagent codebase and found solutions on a vector database called Chromadb, which resulted in a 40 faster data-base retrieval.
- Oversaw documentation activities, guaranteeing thorough project records and technical documentation that raised project development and readability to 10 percent.
- Increased data accessibility by 30 percent through the implementation of user-friendly Tableau dashboards, leading to a more informed decision-making process.

UNICONVERGE TECHNOLOGIES | AUG,2023 - NOV,2023 MACHINE LEARNING ENGINEERING INTERN

- Collaborated within a dynamic team on a student-focused project aimed at enhancing interview performance, with the goal of elevating success rates to a minimum of 35 percent.
- Managed documentation efforts, ensuring comprehensive project records and technical documentation.
- Gave engineering students guidance and instruction, promoting a 12 percent increase in their professional development.

FEYNN LABS | AUG,2023 - NOV,2023 MACHINE LEARNING ENGINEER INTERN

- Coordinated efforts to fulfill project deadlines and worked with cross-functional teams to guarantee effective project outcomes.
- Utilized data analytics tools to track and report on key market trends, enabling the organization to stay ahead of competitors and capitalize on emerging opportunities.
- Analyzed consumer behavior and market variables to provide valuable insights into consumer preferences and market dynamics.

PERSONAL PROJECTS

GESTURE VOLUME CONTROL

- Designed and implemented a gesture-controlled volume system, leveraging mediapipe to enhance user experience and accessibility.
- Used Pycaw (AudioUtilities) to control the volume of the system and Mediapipe to detect hands and 21 different points of hands.
- Developed an algorithm to use two fingers of the right hand to control the audio of the system based on the distance between fingers.

ANIME RECOMMENDATION SYSTEM

- Conducted extensive analysis on a dataset comprising 8,000 anime titles sourced from MyAnimeList.com, laying the foundation for a robust recommendation system.
- Implemented a content-based recommendation system that uses cosine similarity for recommendation.
- Developed an interactive user interface using Python (Streamlit) that could increase user interaction 50 percent.

ACHIEVEMENTS

RESEARCH PAPER | ICCS-2023 KILBY-100, LPU CONFERENCE
LINKEDIN | SKILL BADGE IN ML, PYTHON, AND SQL