Vileena Rani Goyary

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PROFILE

Aspiring professional with strong proficiency in Python, C++, and Java, backed by a solid foundation in computer science fundamentals, including data structures, algorithms, and object-oriented programming. Experienced in developing efficient solutions and building scalable systems while collaborating effectively in dynamic and fast-paced environments.

PROFESSIONAL EXPERIENCE

Smiths Detection   **Feb 2024 - Oct 2024**
Graduate Engineering Intern
Project: Recommendation System for a Training Platform
Description: Course Recommendation System for VTRAC Training Platform

- Designed and implemented a recommendation system for the VTRAC training platform using Python and PyTorch, enhancing user engagement by 15% through collaborative and content-based filtering techniques.
- Developed scalable data pipelines for analyzing user assessments and interactions, integrating solutions into the platform to deliver personalized course recommendations.
- Collaborated with cross-functional teams to deliver high-quality software solutions on time.

Bharat Sanchar Nigam Limited   **July 2022 - Aug 2022**
Industrial Trainee

- Assisted in maintaining and troubleshooting telecom equipment, reducing downtime by 15%.
- Analyzed network performance data and prepared detailed reports, improving operational transparency by 10%.
- Demonstrated strong problem-solving skills in resolving technical issues.

PROJECT

- **Recommendation System for VTRAC Training Platform :** Implemented collaborative filtering and content-based filtering techniques using Pytorch boosting user engagement by 15%.
- **Classification of multi-label image to multi class images :** Developed CNN models in Python for classifying images, improving accuracy. Utilized transfer learning.
- **Advanced NLP Pipeline:** Utilized SpaCy and GloVe embeddings to develop semantic search and recommendation features, enabling accurate and efficient information retrieval.
- **Telegram AI Chatbot:** Developed a Telegram AI chatbot leveraging the Gemini API and Langchain for intelligent conversation, image analysis, and web search capabilities, while ensuring data persistence through MongoDB.

SKILLS

- Programming: Python, C++, Java, SQL
- Technologies: PyTorch, TensorFlow, FastAPI, RESTful APIs
- Data Management: MySQL, MongoDB
- System Design: Distributed Systems, Scalable Architectures
- Tools: Git, JIRA, Visual Studio Code, Docker

CERTIFICATIONS

- Modern Computer Vision (Udemy)
- Java core (Udemy)
- Object Oriented Programming (Udemy)

EDUCATION

Bachelor of Technology
2020 - 2024
Sikkim Manipal Institute of Technology,
Computer Science & Engineering

Higher Secondary School Certificate
2019-2020
St. Francis D'Assisi High School
CBSE

Secondary School Certificate
2017-2018
Delhi Public School
CBSE