KRUSHANK R. BAYYAPU

Computer Science Engineering Student at UIUC

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EDUCATION

University of Illinois at Urbana - Champaign

2021-Present
BS in Computer Science
Current GPA: 3.94/4.00

REGISTERED STUDENT ORGS

FORWARD Data Lab Research Intern
CS SAIL Web Dev Team/Advisor
R|P Web Dev Team

LANGUAGES/EXPERTISE

Python

Java

TensorFlow/ PyTorch

Langchain/ CTransformers
Django/MongoDB

C++
JavaScript/Node.js

ACADEMIC ACHIEVEMENTS

- 2021-Present – James Scholar Honors Student
- 2021-Present – Dean's List Grainger College of Engineering

EXTERNAL TRAININGS

- IT Fundamentals for Cybersecurity Specialization – Coursera – offered by IBM
- Generative Adversarial Networks Specialization (GANs) – Coursera – offered by DeepLearning.AI

PROFILE

- Technology enthusiast with a passion for engineering and computer science
- Currently pursuing a B.S. in Computer Science Engineering at UIUC
- Outgoing with a drive to learn and share my knowledge
- Enjoy nature and exploring new technologies
- **Objective: Observe and implement ML and Generative AI to positively impact communities around me**

EXPERIENCE

Digital Technology Intern • United Airlines • May 2023 – August 2023
Technologies: Python, Langchain, LLMs, NLP, AWS (EC2 Linux/Unix)

- Created a private LLM chain using pretrained LLM models and Langchain libraries for question-answering retrieval
- Optimized and fine-tuned a LLM model to extend its specified context length
- Developed the chain to answer questions based on a given specific file as context
- Fully documented steps for reproducible future work

Intern–Associate Data Engineer • Blue.Cloud • June 2022 - August 2022
Technologies: Snowflake, Azure Data Factory, Webhook APIs

- Connected data engineering to data science
- Created pipelines and integrated webhook APIs to highlight patterns within mass quantities of data
- Used Snowflake and Azure Data Factory for data engineering and integration at Blue.Cloud

Developer • Urbana-Champaign Crime Mapping API • 2022 - Present
Technologies: C#, Openlayers API, JavaScript, Python

- Developed API for mapping the crime-highlighted clusters reported by the Urbana-Champaign police
- Allows people to see the cumulative unsafe hotspots to avoid in the city and become aware of safer paths
- Utilized most up-to-date and accurate police data from 2022
- Currently working on developing Artificial Intelligence aspects