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[yschauhan025@gmail.com](mailto:yschauhan025@gmail.com)

**Education**

Yuvraj

Singh

Chauhan

Rajasthan, India



[Yuvraj-Chauhan](https://github.com/Yuvraj-Chauhan)

**Bachelor of Engineering (B.E.) in Computer Engineering Aug 2021 - Present**



[Yuvraj-Chauhan](https://www.linkedin.com/in/yuvraj-chauhan)

Thapar Institute of Engineering and Technology, Punjab CGPA: 8.28/10

**Higher Secondary Education (Class 12th) Jul 2020 - Jul 2021**

Gurukul B.L. Mohta Learning Institute, Rajasthan Percentage: 95.2%

# Work Experience

**Summer Internship at Barclays, Pune Jun 2024 - Jul 2024**

Technology Summer Intern in Enterprise Data Platforms

* Developed a **Data Analytics Housekeeping Automation Utility** using **Python** and **Jenkins** with detailed **Jira**

and **Confluence** documentation, **reducing manual effort** by **90**%.

* Acquired foundational knowledge in **Data Engineering**, **Big Data Technologies**, **Analytics Clusters**, and

**Cloudera Manager** over a span of 2 months.

* Contributed to **open-source** development for **Hadoop Distributed File System (HDFS) architecture** on

**UNIX-based servers**, boosting system performance and scalability by 4%.

* Collaborated in developing a **framework** for **generating vector embeddings** from **unstructured data,** enabling

**Generative AI** applications across **10+ use cases.**

# Projects

## PhishGuardian

* Innovated a **Phishing Website Detection Web Application** using **Machine Learning**, which **classifies a website**

as **Phishing** or **Legitimate** based on its **content-based features** with **98% F1-Score.** [Web App](https://phishguardian.streamlit.app/) | [Source Code](https://github.com/Yuvraj-Chauhan/Phishing-Website-Detection-with-ML)

* Created a **custom dataset** with **43 content-based features** after **web scraping 50,000 websites**. [Kaggle Link](https://www.kaggle.com/datasets/yuvistrange/content-based-features-phishing-and-legit-websites)
* Tech Leveraged: Python, Scikit-learn, Streamlit, Firebase (Pyrebase), BeautifulSoup, Pandas, Numpy, etc.

## EchoDoc

* Engineered a real-time **Retrieval Augmented Generation (RAG) App** for **document search and question answering**, using **Vector search and Llama 3.2** to **retrieve and generate contextual information.** [Source Code](https://github.com/Yuvraj-Chauhan/EchoDoc)
* Enable users to upload PDFs, create embeddings, store them in a vector database, and **deliver context-aware answers** through a **Chatbot** powered by an on-premise **Quantized 3 Billion Parameter Model** via **Ollama.**
* Tech Leveraged: Transformers, LLM, NLP, Deep Learning, Hugging Face, LangChain, Python, Streamlit, Docker, etc.

# Technical Skills

**Programming Languages & Development:** Python, C++, C, Dart, Streamlit, Flutter, HTML, Tailwind CSS, Object-Oriented Programming.

**Artificial Intelligence & Data Science:** Machine Learning, Deep Learning, Natural Language Processing, Transformers, Hugging Face, LangChain, TensorFlow, Scikit-learn, Computer Vision.

**Data Engineering & Big Data:** Hadoop, Hive, Impala, Cloudera Manager, PostgreSQL, DBMS.

**DevOps & Other Technologies:** Jenkins, Git & GitHub, Docker, Google Firebase, REST API, UNIX, Operating Systems, Data Structures & Algorithms, Computer Networks, Software Engineering.

# Roles and Responsibilities

**Microsoft Learn Student Chapter Dec 2021 - Jul 2023**

**CORE Member**

* Spearheaded **Makeathon 5.0** with **300+ teams** as CORE Member of Microsoft Learn Student Chapter. [Certificate](https://drive.google.com/file/d/1EuHnb_mLCyGtDHHcr4q8pecjLu1cseJY/view?usp=sharing) **Saturnalia Event Management Team Aug 2022 - Nov 2022 CORE Member**
* Organized **Saturnalia**, TIET’s annual **Techno-Cultural Fest** with **15,000+ students** from across India.

# Achievements

* **Amazon ML Challenge 2024 - Ranked Top 20** out of **20,000+ teams** participating across India. [Certificate](https://drive.google.com/file/d/1axJIjdMWcEtK2tVglXjpE2kwHX7QNV3f/view?usp=sharing)
* **Hacklipse 3.0 Winner FinTech -** among **250+ teams** at a 2023 Hackathon organized by ACM. [Certificate](https://certificate.givemycertificate.com/c/84ffb71b-afae-46a3-9284-85f013f10b89)
* **Earned Certifications -** [LLMs in Python](https://www.datacamp.com/completed/statement-of-accomplishment/course/a9cc5b68906b284c6c6a166d100fce9613749ccb) | [AI on Jetson Nano](https://drive.google.com/file/d/1JgtQx-EnmCe2RuewBPsGFJccl1l8lnTk/view?usp=sharing) | [CUDA Python](https://drive.google.com/file/d/1pJF0bLdxGvY0csWz93IYc-vYZJ5P1QT4/view?usp=sharing) | [CUDA C++](https://drive.google.com/file/d/10uHipOzLbq2qD8MKfqE3UWLnkescMNr7/view?usp=sharing) | [Scaling Workloads](https://drive.google.com/file/d/10sEtf_UOwhDNVsSAb0kBjS5hFQNE5MKy/view?usp=sharing)
* Completed **Google Cloud Ready Facilitator Program** 2022 with **15 Skill Badges** and **30 Quests**. [Badge Profile](https://www.cloudskillsboost.google/public_profiles/6e226996-9bb2-49d9-816e-354f98776bdc)