

# Vaibhav Pant

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## EDUCATION

### Chandigarh University

Bachelor of Engineering in Computer Science; CPI: 8.2

Mohali, Punjab

Sept 2021 - Present

### Bhartiyam International School

Intermediate: 86%

Rudrapur, Uttarakhand

April 2019 - April 2021

## ACHIEVEMENTS

- **Winner | Hack-O-Octo Hackathon:** Headed winning team, secured the AIML Track Prize worth INR. 25K. 🔗
- **Mentee | Amazon Machine Learning Summer School 2023:** One out of top 300 developers selected for Amazon ML Summer School over the country. 🔗

## PROJECTS

### AniRCM - Anime Recommendation System | [Github](#) | [Live](#) | *ReactJs, Flask, Scikit-learn, Pandas* April 2024

- Developed a recommendation system using **content-based filtering** and **cosine similarity**, achieving a **75%** accuracy rate in user satisfaction tests.
- Implemented a **React** frontend for a smooth and intuitive user interface, created **REST** APIs to make robust backend using **Flask**.
- Processed and analyzed a dataset of **10,000+** anime titles to provide personalized recommendations.

### MusicLy - Spotify Powered Music App | [Github](#) | [Live](#) | *ReactJs, Axios* Dec 2023

- Implemented secure user **authentication** using access tokens, integrating with the Spotify API to enable personalized and authorized user experiences.
- Utilized the **Axios** library to fetch data from unlimited sources using **Spotify Developer's API**.
- Improved app performance with efficient state management, achieving over a **10%** reduction in load times.

### CuimsBot - Chatbot for Campus Assistance | [Notebook Link](#) | *NLP, LLAMA* Dec 2023

- Developed an AI-powered chatbot using **Llama** models and **FAISS** for efficient query retrieval, assisting students with campus-related information.
- Implemented a **Flask**-based web interface for real-time interaction.
- Optimized chatbot responses by training with data from the university's official website and student handbook, providing personalized and accurate answers.

### ASUNA - Voice Assistant | [Github](#) | *Python, Deep Learning* Oct 2024

- Developed an intelligent voice assistant utilizing **Rasa** for natural language processing, **GTTS** for text-to-speech conversion, and **Selenium** for web automation, enhancing user interaction through voice commands and responses.
- Enabled real-time information retrieval through **speech recognition** and **web scraping**.

## TECHNICAL SKILLS

**Programming Languages:** Python (Proficient), Java (basics), C/C++ (Intermediate)

**AI/ML Frameworks:** TensorFlow, scikit-learn

**Data Analysis:** Pandas, NumPy

**Web Development:** HTML, CSS, React, Django, Flask

**Tools:** Jupyter Notebook, Git, Docker

**Database Management:** SQL

**Operating System:** Linux, Windows

## CERTIFICATIONS

- IBM Introduction to Data Science. 🔗
- Meta Introduction to Back-End Development. 🔗
- IBM Introduction to Computer Vision and Image Processing. 🔗
- Databases and SQL for Data Science with Python by IBM. 🔗
- Advanced Machine Learning on Google Cloud. 🔗