

Sarthak Rak

AI enthusiast interested in machine learning, and data science and eager to learn new technologies. I am committed to advancing the field and gaining insights through hands-on learning.

AIML Enthusiast

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[LinkedIn](#)

[GitHub](#)

PROJECTS

Randomized Story Generator using an Image

- Created a story generator using the Python programming language, OpenCV models, and Neural Network models.
- As the project lead, I supervised a team of four while helping and guiding them in the development process.
- Learned about new Python libraries and their implementation.

Book Recommendation System using Collaborative Filtering

- Developed a book recommendation system leveraging collaborative filtering techniques, built using Python with the pandas, numpy, and scikit-learn libraries.
- The application features a user-friendly web interface created with Flask, incorporating basic HTML and CSS for front-end design.

Attention Span and its Correlation to Mental Health using Clustering Algorithm

- Investigated the relationship between attention span and mental health metrics using advanced clustering techniques to identify distinct behavioral patterns.
- Developed and implemented K-means clustering algorithm to analyze data.

CO- CURRICULAR EXPERIENCE

TEDxVIIT, Vishwakarma Institute of Information Technology, Pune — Operations Head

November 2023 - PRESENT

- Developed and maintained certain guidelines for team members.
- Conducting team bonding exercises and activities.
- Conducting Operational Reviews on a periodic basis to inspect the working of our team.

Artificial Intelligence Students Association(AiSA), Vishwakarma Institute of Information Technology, Pune — Event Management Head

August 2023 - PRESENT

- Conducted and overlooked various events successfully—coordinated schedules and timelines for events.
- Managed event logistics and operations.

SKILLS

Java

Python: Numpy, Matplotlib, Pandas, OpenCV

Operations

Critical Thinking

Teambuilding

HOBBIES

Football

Playing the Flute

CERTIFICATES

Java Data Structures & Algorithms + LEETCODE Exercises by Scott Barrett, Udemy

Supervised Machine Learning: Regression and Classification, Stanford University

Python for Data Science, Infosys Springboard

Introduction to Big Data with Spark and Hadoop, IBM

The Complete 2024 Web Development Bootcamp by Dr.Angela Yu, Udemy (in progress)

ACHIEVEMENTS

Runners Up, AIML Domain, Visionary Techfest Hackathon.

EDUCATION

Magarpatta City Public School, Pune — Grade 10, ICSE

June 2013 - March 2019

- Graduated with 96.5%

The Orbis School, Pune — Grade 12, CBSE

June 2019 - April 2021

- Graduated with 87.0%

Vishwakarma Institute of Information Technology, Pune — BTech- Artificial Intelligence and Data Science

December 2021 - PRESENT

LANGUAGES

English, Hindi, Marathi