

Mustafa Asad

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Portfolio

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EDUCATION

- Bachelor of Technology - Computer Science and Engineering** 2020 - 2024
Pranveer Singh Institute of Technology, Kanpur CGPA: 8.8
- Intermediate - PCM and Computer Science** 2018 - 2019
Mother Teresa Mission Higher Secondary School, Kanpur Percentage: 94.25%
- High School - PCM and Computer Science** 2016 - 2017
Mother Teresa Mission Higher Secondary School, Kanpur Percentage: 92%

PROJECTS

- Socialasia** October, 2023 - Present
A social media platform with machine learning integration.
 - It enables users to upload photos (**uploading time: 0.0536 seconds**), message, follow other users, like and comment on their posts, along with a user management facility, secure and efficient video conferencing (USP).
 - It incorporates machine learning algorithms (decision trees to find compatibility) with an **accuracy score of 55.56%**, image processing and Convolutional Neural Networks (CNN) with an **accuracy score of 76%**, data structures and algorithms, and advanced Python modules like networkx, matplotlib, TensorFlow, Keras.
 - Technologies:**
 - Front-end: HTML, CSS, JavaScript, Bootstrap.
 - Back-end: Python, Django Framework, SQLite, Machine Learning and Deep Learning.
- ShopSage** August, 2023 - September, 2023
E-commerce website recommendation system (a group project).
 - It ensures user-specified recommendations based on the user's past activities.
 - The distinguished features (such as matching images, names, and descriptions) of the added and purchased items are extracted, and similar products are recommended. Provides real-time recommended data with an **accuracy score of 70.1%**.
 - Technologies:**
 - Front-end: HTML, CSS, JavaScript, Bootstrap.
 - Back-end: Python, Django Framework, SQLite, ResNet model.
- Mensuration Calculator** December, 2021 - January, 2022
A semester project
 - A smart calculator for solving mensuration problems regarding 2-D shapes.
 - Technologies:** HTML, CSS, JavaScript, Bootstrap.

EXPERIENCE

- Back-end Developer Internship** September, 2023 - November, 2023
AI4Bharat
 - Designed and deployed a fault-tolerant notification application for the *Shoonya* web project.
 - Performed CRUD operations for notifications and ensured asynchronous API calls using Celery.
 - Made the notification system **15% more effective** (feedback report analysis) by employing the aggregation feature.
- Content Creator Internship** October, 2021 - October, 2022
Pranveer Singh Institute of Technology
 - I jotted down several proposals, brochures, and speeches for the *Bastion Club*.
 - I led 'Walk-in' events and volunteered in Bastion X Ignitia'23.

SKILLS AND INTERESTS

Programming languages: Python, C, HTML, CSS, JavaScript.

Frameworks: Django Framework, Twitter Bootstrap.

Databases: Relational Database (SQL).

Relevant coursework: Data Structures and Algorithms, Operating Systems, Object-Oriented Programming, Database Management System, Computer Networks.

Areas of interest: Web Design and Development, Machine Learning.

Soft skills: Problem Solving, Adaptability, Communication, Leadership.

ACHIEVEMENTS

- Secured **Global Rank 60** in *TCS Codevita Season 11*. March, 2024
- Placed in the **top 50 scorers (AIR 31)** in *CodeSmash 1.0*, organized by Mercer | Mettl. September, 2023
- All India Rank 81** in the *Code for Freedom* organized by Coding Ninjas. August, 2023
- Python Language Champion** at TechGig's *Code Gladiators 2023* among 136431 participants. May, 2023
- Bagged numerous certificates for **Python, Django, AI/ML, DBMS, OOPS**, and **web development**. 2022 - 2023
- Ranked 2nd** in *Code Chronicles*, organized by the IEEE PSIT Club. June, 2021
- Qualified **IELTS** Test with a score of 7.0 November, 2019
- 6 stars on **HackerRank** and 700+ problems solved on online coding platforms. January, 2020 - Present