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.
  1. 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).
  2. 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.
  3. **Technologies**:
     (a) *Front-end*: HTML, CSS, JavaScript, Bootstrap.
     (b) *Back-end*: Python, Django Framework, SQLite, Machine Learning and Deep Learning.

- **ShopSage** — *February, 2024 - April, 2024*

  E-commerce website recommendation system (a group project).
  1. It ensures user-specified recommendations based on the user's past activities.
  2. 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%**.
  3. **Technologies**:
     (a) *Front-end*: HTML, CSS, JavaScript, Bootstrap.
     (b) *Back-end*: Python, Django Framework, SQLite, ResNet model.

- **Aushadhi Track** — *January, 2024 - April, 2024*

  Blockchain-Based Supply Chain Management System for Drugs and Pharmaceuticals
  1. Implemented smart contracts to allow interaction between entities like manufacturers, distributors, retailers, medical stores, and patients. Implementing the ECC cryptographic protocol to ensure data integrity and security.
  2. **Technologies**: Solidity, IPFS, ReactJs, Etherium.

EXPERIENCE

- **Back-end Developer Internship** — *September, 2023 - November, 2023*

  AI4Bharat
  1. Designed and deployed a fault-tolerant notification application for the *Shoonya* web project.
  2. Performed CRUD operations for notifications and ensured asynchronous API calls using Celery.
  3. 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
  1. I jotted down several proposals, brochures, and speeches for the *Bastion Club*.
  2. 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).
Relevent 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*