MOHAMMED HASEEB AHMED

haseebryd@gmail.com | (+91) 8688007864

Github: Github.com/haseebahmed2003

LinkedIn: Linkedin.com/in/haseeb-ahmed2003

Portfolio: mohammedhaseebahmed.vercel.app

SKILLS

- **Programming Languages**: C, C++, Python, JavaScript, Java.
- **Machine learning & Deep learning**: Tensorflow, Keras, Scikit-learn, PyTorch.
- **Database Management System**: MySQL, MongoDB.
- **Web development**: Streamlit, Flask, React.js, Next.js.
- **Cloud Platforms**: Google Cloud, IBM cloud, HuggingFace.
- **Other Tools**: OpenCV, NumPy, Pandas, TextBlob, Firebase, Clerk.

EXPERIENCE

- **Vincense, Hyderabad - Web Developer Intern** | (Aug- Sep 2023)
  - Familiarized with Front-end development using python language. Used the knowledge acquired to build good looking websites as exercise projects using Flask framework.
- **Headstarter AI Fellowship** | (Aug- Sep 2024)
  - Built 5 AI-projects, participated in weekend hackathons and mock Interviews over 7 weeks under the guidance of engineers from Google, Apple, Bloomberg, Meta and other startups.
  - Final project was to get a PR accepted from an open-source community (In progress).

EDUCATION

- B. tech in C.S.E | Malla Reddy Engineering College
  CGPA: *7.5*| *(Nov'21-present)*
- XII (Telangana State Board) | Sri Chaitanya Junior College
  93.5%| *2021*
- X (CBSE) | St. Peter's High School
  87%| *2019*

ACADEMIC PROJECTS

- **Dev-QuizBot**
  - Created a quiz-generating chatbot using **Generative AI**.
  - Incorporated **Retrieval-Augmented Generation (RAG)** to retrieve relevant information for quizzes.
  - Deployed the chatbot using **Serverless Architecture** on **Hugging Face Spaces**.
  - Leveraged the **Llama 3 - 8b** model for quiz generation and validation.
  - **Tech stack**: Python, Streamlit, Llama 3 - 8b model, Hugging Face Inference API.
- **Review Analyzer**
  - Developed a **Streamlit**-based web app for **Sentiment Analysis**.
  - Integrated **Natural Language Processing (NLP)** techniques to analyze user reviews.
  - Deployed the application on **Hugging Face Spaces** using **API Deployment**.
  - Utilized **data augmentation** to enrich text input for better sentiment classification.
  - **Tech stack**: Python, Streamlit, Pandas, TextBlob, NLTK, Hugging Face Spaces.
- **MNIST Neural Network**
  - Developed a deep learning neural network using **NumPy** to classify handwritten digits.
  - Optimized model performance through **Hyperparameter Tuning** and **model compression**.
  - Achieved **93% accuracy** on the MNIST dataset by focusing on **model optimization** for efficiency.

- **Tech stack**: Python, NumPy, Pandas, Deep Learning, Neural Networks.

- **Vehicle Classifier**
  - Developed a **Convolutional Neural Network (CNN)** model for vehicle classification.
  - Used **OpenCV** and **TensorFlow** for image processing and model training.
  - Enhanced model performance by applying **Image Augmentation** and improving **Model Generalization** on custom datasets.
  - Deployed the model on **Hugging Face** for seamless integration and accessibility.
  - **Tech stack**: Python, TensorFlow, OpenCV, CNN, Hugging Face Spaces.

- **PantryDish**
  - Developed a pantry management system for inventory tracking and AI-powered meal planning.
  - Implemented **AI-powered Recipe Suggestions** using the **Llama 3.1 8b model** for generating custom recipes based on available inventory.
  - Integrated **Clerk** for user authentication and **Firebase** for data storage, ensuring secure and reliable data management.
  - **Tech stack**: React.js, Next.js, TypeScript, Llama 3.1 8b model, Clerk, Firebase.

- **Vehicle Classifier 2.0**
  - Enhanced the existing vehicle classification model using **Transfer Learning** with the **EfficientNet-B3** pre-trained model and **ImageNet weights**.
  - Fine-tuned the model on a custom vehicle dataset, achieving **95% accuracy** on the validation set.
  - **Tech stack**: Python, TensorFlow, EfficientNet-B3, Transfer Learning, ImageNet, Convolutional Neural Networks (CNN).

POSITION OF RESPONSIBILITY

- **Technical Lead** | Adyant Community, MREC | (Dec 2023 - Aug 2024)
  - Organized and led 5 hackathons and 10+ technical events, conducting sessions for over 300 students on diverse topics increasing student participation by 60%.
  - Provided mentorship to 30+ students on projects in Machine Learning and Web development.
  - Implemented and managed weekly coding contests, boosting competitive programming skills among 100+ students.

ACHIEVEMENTS

- **SMART INDIA HACKATHON** | (Aug 2022)
  - Qualified for the Grand Finale of the SIH 2022 Senior Software Edition.
  - Addressed the problem statement of creating 3D maps of disaster-struck areas using images and videos uploaded on social media to improve rescue planning.
  - Developed a web app enabling locals to upload images and videos.
  - Used photogrammetry to create 3D maps from the uploaded media.

CERTIFICATIONS

- **Applied AI** | IBM (Oct 2023)
- **Google Cloud Computing Foundations** | Google Cloud (Oct 2023)
- **Machine Learning** | Stanford University & DeepLearning.AI (Dec 2023)
- **Microsoft Azure Fundamentals** (Feb 2024)
- **Natural Language Processing** | IIT Kharagpur, NPTEL (Apr 2024)
- **Deep Learning** | DeepLearning.AI (Jun 2024)
- **Google Cloud Data Analytics** | (Jun 2024)