

KUSHAGRA SRIVASTAVA

+91-7355298659 kushagrathisside@gmail.com linkedin.com/in/kushagrathisside github.com/kushagrathisside

Education

KIET Group of Institutions, APJ Abdul Kalam Technical University

Nov. 2020 – June 2024

Bachelor of Technology in Computer Science & Engineering (Agg. CGPA: 8.58)

Ghaziabad, Uttar Pradesh

The Aditya Birla Public School (Central Board of Secondary Education)

Apr. 2018 – Mar 2019

AISSCE with PCM & Computer Science (Percentage: 87%)

Jagdishpur, Uttar Pradesh

Relevant Coursework

- Deep Learning Specialization, DeepLearning.AI
- TensorFlow Developer Professional Certificate Specialization, DeepLearning.AI
- AI Programming in Python Nanodegree, AWS AI/ML Scholarship
- Statistics for Data Science with Python, IBM Skill Net.

Experience

Simplify Workforce Private Limited

Aug 2023 – Current

Software Intern, SimplifyAI

Noida, Uttar Pradesh

- Developed Messenger Application using Python Socket Programming with TCP protocol, optimizing real-time communication in Client-Server architecture for seamless messaging with more than 2 servers parallelly.
- Conducted research and implemented Large Language Models (LLMs) into Chat Applications, elevating AI-driven support for Job Seekers and enhancing user experience.
- Integrated AI support in existing products to improve Job Seekers' experience by providing facilitating effective assistance with 3+ complex use cases.

MBS India

Feb 2022 – Oct 2022

Researcher, Research & Development Team

Ghaziabad, Uttar Pradesh

- Developed a GUI application using Python (Qt v5) for biomedical instruments which allowed users to control and monitor biomedical instruments from a graphical user interface.
- Worked on serial communication and designed log management system to collect log data about the patient's vital information, store them efficiently and perform 4+ operations
- Tested existing applications on operating systems for Raspberry Pi-4 against factors like latency & software support.

Projects

DataSet Creator | *Python, Streamlit, Scikit-learn, LangChain*

Feb 2023

- Developed Streamlit WebApp for ML researchers and data teams, simplifying CSV file creation from images with 500+ features in total, particularly beneficial for facial landmark analysis, enhancing data workflow efficiency.
- Utilized Mediapipe's holistic model for numeric datasets from images and ChatGPT for text datasets, showcasing commitment to optimizing data workflows and unbiased AI procturing.

Nerve Check - AI Interviewer | *TensorFlow, OpenCV, Speech Recognition, Flask, LangChain*

Nov 2020

- Developed an AI interviewer that provided holistic audio, video, and text support using TensorFlow, OpenCV, and speech recognition technology to improve feedback and enhance candidate assessment in interviews.
- Innovatively deployed a Flask-based web app with distinct models that offered an immersive interview platform and integrated feedback seamlessly, delivering a superior candidate experience..

Skills

Languages: Python, Java, C/C++, JavaScript, MySQL

Developer Tools: Jupyter Notebooks, VS Code, Linux (Ubuntu), Google Cloud Platform, GitHub, PyCharm

Technologies/Frameworks: Scikit Learn, TensorFlow, Pandas, Numpy, Django, Socket, LangChain, Streamlit

Professional Certification: Google Cloud Certification for Professional Machine Learning Engineer

Achievements

- Selected for **Data Science For Social Good Summer Fellowship Germany 2023** as 1 of 12 fellows worldwide to work on Data Science for Public Policy problems from Governments and International NGOs.
- Led Machine Learning Teams as **Machine Learning Lead** in college clubs: **DSC KIET (currently GDSC-KIET) & MYCIN-AI**, organized various bootcamps, talk sessions and hackathons for 100+ students during session 2022-23

Publications

Srivastava, Kushagra (Nov. 2022). "Comparative Analysis of various Machine Learning Techniques to predict Breast Cancer". In: IEEE ICICT 2022 (DOI: 10.1109/ICICT55121.2022.10064517)