UTKARSH PRAKASH SRIVASTAVA
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OBJECTIVE:

Aspiring to pursue a Master's in Artificial Intelligence. Post Master's, I aim to get a Ph.D. in Artificial Intelligence. I want to work on Artificial Intelligence research in the long run and provide intelligent solutions to IT problems in medical and robotics research companies and organizations.

EDUCATION:

B.Tech in Computer Science and Engineering (minor specialization in AI),   2019 – 2023
Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim   CGPA 8.6/10

RELEVANT COURSES:

Probability, Statistics and Stochastic Processes, Artificial Intelligence, Machine Learning, Mobile Robotics, The Joy of Computing with Python, Deep Learning, Soft Computing, AI in Health Care.

RELEVANT PROJECTS:

Faced Recognition Based Attendance System, **SMIT**   Dec 2021 – Jun 2022
- Worked in a group of three to create an integrated attendance system that helps professors mark students' attendance using their facial characteristics.
- Responsible for developing the ML model for the project where I used the 'Histogram of Oriented Gradients (HOG)' as the algorithm of the model.

INDEPENDENT PROJECTS:

Twitter Sentiment Analysis   Aug 2022
- Independent project after completing my course "Natural Language Processing" on Internshala.
- The project involved creating a model using LSTM, on the dataset of twitter tweets, to analyze different sentiments shown by the user through their tweets.

Digit Classification   Jun 2022
- A classic deep learning project for classifying handwritten digits into 0-9.
- The project uses a sequential neural network for detecting different handwritten digits.
- The model received an accuracy of 97.97% on testing dataset.

Brain Tumor Detection and Classification   Oct 2021
- Independent project in the beginning years of my learning deep learning and CNNs in the third year of my college.
- The project involved creating a model using CNN to classify whether the patient has a tumor or not through the help of an MRI scan. The dataset was used from Kaggle.
- The model can classify tumors of three different types: -Glioma Tumor, -Meningioma Tumor, -Pituitary Tumor.

Predicting heart disease using Machine Learning by Coursera   Aug 2021
- A Machine Learning model trained on the given dataset provided by Coursera.
- The model can predict the chances of a heart attack on a particular person based on various factors like – age, gender, past diseases, fever, height, and weight.

INTERNSHIPS:

IEEE SMIT SB, SMIT   **Treasurer & Webmaster**   Aug 2021 – Present
- Treasurer and Webmaster for the various events organized by the IEEE SMIT Student Branch over time, such as *IEEE SMIT SB Membership Drive Webinar*.
- Manage and maintain the webpage of the company along with its LinkedIn Page.

Google Developers Student Club, SMIT   **AI Core Member**   Aug 2021 – Present
- Core Member of the organized events by GDSC SMIT.
- Introduce and guide new students to the Artificial Intelligence/Machine Learning field.
- Work with the Web Development, the App development, and the Cloud Management team on different projects.

Technocolabs Softwares   **Intern**   Aug 2021 – Sept 2021
- Worked in a team of 4 to build and deploy a Machine Learning Model to predict market volatility and build trading strategies by correlating data from Reddit's WallStreetBet using the neural network algorithm – LSTM.

Kaalrav   **Technical Expert**   Mar 2019
- Technical Expert Volunteer for the University fest – Kaalrav, 2019.

TECHNICAL CERTIFICATIONS/PAPERS/PUBLICATIONS:
- "Breast Cancer Wisconsin Classification by UCI", Utkarsh Prakash Srivastava, Palash Ghosal, Amish Kumar, Ashis Datta, Aug 2022 – Present.
- "Screening and Classification of Malaria Infected Cells using Convolutional Neural Network", Utkarsh Prakash Srivastava, Kiran Gautam, Aug 2022 - Present.
- Completed the course "Natural Language Processing" on Internshala, Jul 2022.
- "Ischemic Stroke Lesion Segmentation (ISLES) – 2017", Utkarsh Prakash Srivastava, Palash Ghosal, Amish Kumar, Ashis Datta, Biswadeep Sarkar, Nov 2021 – Jun 2021.
- "AUTCD-Net: Automated Framework for Efficient Covid-19 Diagnosis on Computed Tomography Scans", Palash Ghosal, Amish Kumar, Soumya Snigdha Kundu, Utkarsh Prakash Srivastava, Ashis Datta, Dr.HKD Sarma, Springer Nature in Lecture Notes in Networks and Systems (LNNS Series; Scopus Indexed) (Accepted, Yet to be published), Aug - Dec 2021.
- Completed the course "The Joy of Computing with Python" on NPTEL, Dec 2021.
- Completed the course "Machine Learning and Cloud Computing" by "30 DAYS OF GOOGLE CLOUD", Nov 2021.
- Completed the course "Data Analysis with Python" by IBM on Coursera, Sep 2021.
- Completed the course "Machine Learning Industrial Training" on Internshala, Aug 2021.
- Completed various courses – "Data Visualization", "Feature Engineering", "Machine Learning Explainability"," Intermediate Machine Learning", "Intro to Machine Learning", "Pandas" on Kaggle, Aug 2021.
- Completed the course "Big Data, Artificial Intelligence, and Ethics" by UC Davis on Coursera, Apr 2021.
- Completed the course "Introduction to Web Development" by IC Davis on Coursera, Jul 2020.
- Completed the course "Programming for Everybody (Getting Started with Python)" by the University of Michigan on Coursera, Jul 2020.

ACTIVITIES AND AWARDS:

- Presented a research paper "AUTCD-Net: Automated Framework for Efficient Covid-19 Diagnosis on Computed Tomography Scans" at the First International Conference on Information and Communication Technology (ICICT) organized by the IT Department of Sikkim Manipal Institute of Technology, Dec 2021.
- Certificate of Participation for 'Devfest 2021' organized by Google Developers Group, India, Oct 2021.
- Winner at Azadi Ka Amrit Mahotsav Webinar Quiz organized by Ministry of Tourism, Association of Indian Universities, and Government of India, Aug 2021.
- Finalist at 24hr Hackathon organized by the D'Coders Club SMIT. In a team of 3 members, we created an Android Application to manage college mess review, Oct 2019.
- Silver Medallist at Thinking and Reasoning Competition organized by the Sikkim Manipal Institute of Technology during the Convocation Program, 2019.
- Technical Expert Volunteer for the university fest – Kaalrav, 2019.