

UTKARSH PRAKASH SRIVASTAVA

+91-87262 81021 ◇ Mumbai, India

utkarsh.achiever123@gmail.com ◇ [linkedin.com/in/utkarsh-ps/](https://www.linkedin.com/in/utkarsh-ps/) ◇ utkarsh-ps.me/

OBJECTIVE

Aspiring to pursue further education in Artificial Intelligence. I want to work on Computer Vision research and Medical Imaging in the long run and provide intelligent solutions to IT problems in medical and robotics research companies and organizations.

EDUCATION

B.Tech. Computer Science and Engineering, Sikkim Manipal Institute of Technology, SMU Expected 2023

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

SKILLS

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|-------------------------|---|
| Technical Skills | Deep Learning, Medical Imaging, Computer Vision, Python |
| Languages | Python, Java, C |

EXPERIENCE

Data Science Intern

Aug 2021 - Sep 2021

Technocolabs Softwares

Indore, IND

- 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.

PROJECTS

Faced Recognition Based Attendance System : Worked in a group of three to create an integrated attendance system that helps professors mark students' attendance using their facial characteristics. I was responsible for developing the ML model for the project where I used the 'Histogram of Oriented Gradients (HOG)' as the algorithm of the model. ([GitHub Code](#))

Digit Classification : 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. ([GitHub Code](#))

RESEARCH AND PUBLICATION

- Ghosal, P., Kumar, A., Kundu, S.S., **Srivastava, U.P.**, Datta, A., Deva Sarma, H.K. (2023). AUTCD-Net: An Automated Framework for Efficient Covid-19 Diagnosis on Computed Tomography Scans. In: Deva Sarma, H.K., Piuri, V., Pujari, A.K. (eds) Machine Learning in Information and Communication Technology . Lecture Notes in Networks and Systems, vol 498. Springer, Singapore. (https://doi.org/10.1007/978-981-19-5090-2_10)
- Breast Cancer Classification by Winconsin UCI, **Utkarsh Prakash Srivastava**, Palash Ghosal, Amish Kumar, Ashis Datta, Aug 2022 – Present.
- "Classification of Brain Tumor using Modern CNN algorithms", **Utkarsh Prakash Srivastava**, Nov 2022 - Present

CERTIFICATIONS

- **Courses** 15 Online courses from Coursera, NPTEL, Internshala, and Kaggle on topics like Intro to Machine Learning (kaggle), Joy of Computing with Python (NPTEL), Natural Language Processing (Internshala), etc. [All Certificate Links](#)

- **DevFest 2021** Participated at DevFest 2021 by GDSC. [Certificate](#)
- **30 Days of Google Cloud** Completed the challenge in both Machine Learning and Cloud Computing track at "30 Days of Google Cloud". [Certificate](#)
- **IEEE** Student member at IEEE and Computational Intelligence Society of IEEE.

OTACTIVITIES

- Presented a research paper 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](#)
- Finalist at 24hr Hackathon organized by the D'Codors 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.
- Winner at Azadi Ka Amrit Mahotsav Webinar Quiz organized by Ministry of Tourism, Association of Indian Universities, and Government of India, Aug 2021.

LEADERSHIP

- AI core team member at Google Developers Student Club, SMIT, Aug 2021 - 2022.
- Treaseurer and Webmaster at IEEE SMIT SB, SMIT, Aug 2021 - present