PERSONAL INFORMATION

Muskaan Chopra

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in https://www.linkedin.com/in/muskaanchopra712/

Date of birth 7 December 2001 | Nationality Indian

APPLIED FOR -

WORK EXPERIENCE/TRAINING

July 2022

ACM India Summer School on Data Science, IIT Gandhinagar
Association of Computing Machinery
– Introduction to data collection pipeline, tools and techniques for data processing, dimension reduction
– Experiment design and model evaluation, MLOps

Decemeber 2021 – January 2022

SDE Intern
BlazOp
– Integration Adaptors with various business technologies & SaaS products
– Data Engineering & Analytics, Graph Analytics

September 2021 – October 2021

Data Science Intern
HeyStack
– Researched for various emotions that may exist in reviews of a product for classification.
– Scripted Scrapers in Python for Data Gathering and further analyzed it.

July 2021 – December 2021

Machine Learning Intern
Scanta, Inc
– Morale detection using emotion and sentiment scores.
– Pattern detection from a text using regex
– Emotion Detection using Models like T5-base fine-tuned for Emotion Recognition.
– Worked with Gensim, NLPAUG & NLPStanza.

April 2021 – April 2022

Research Intern
Design and Innovation Centre, Panjab University
– Working on extensive feature extraction and LSTM-RNN for time series analysis.
– Worked on Predictive Maintenance for early prediction of faults in machine by thermal and Time Series analysis.
– Trained ARIMA Model & LSTM RNN on real time temperature data collected from sensors.

EDUCATION

Aug. 2019 – June 2023

Bachelor of Engineering in Computer Science | 9.23/10
Chandigarh College of Engineering and Technology, Panjab University, Chandigarh
– Awarded Merit Scholarship for Academic Year 2020-21
– **Chairperson at CCET ACM Student Chapter (2021–2022)**- Scaled community to 150+ members through 25+ events including webinars, competitions and workshop focusing on developing technical and leadership skills. Released CASC Application and Technical Magazine.
– **Class Representative (2020–Present)**- public speaking, organisation, problem-solving and negotiation skills by proactively coordinating with a class of 75 students and staff.

July 2017 – March 2019

Intermediate/ Class XII CBSE | 91.8%
Kendriya Vidyalaya, Chandigarh
– House Captain, 2018-2019

RESEARCH WORK

[1] "Analysis & Prognosis Of Sustainable Development Goals Using Big Data-Based Approach During COVID-19 Pandemic". In: *Sustainable Technology and Entrepreneurship, Elsevier* (2022). URL: https://doi.org/10.1016/j.stae.2022.100012.

[2] "Predicting Catastrophic Events Using Machine Learning Models For Natural Language Processing ". In: *Data Mining Approaches for Big Data and Sentiment Analysis in Social Media* (2021). URL: `https://doi.org/10.4018/978-1-7998-8413-2.ch010`.

[3] "A Comparative Study Of Generative Adversarial Networks For Text-To-Image Synthesis". In: *International Journal of Software Science and Computational Intelligence* (2021). URL: `http://doi.org/10.4018/IJSSCI.300364`.

[4] "An Inquisitive Prospect On The Shift Towards Online Form Of Digital Media, Before, During, And After The COVID-19 Pandemic: A Technological Analysis ". In: *International Conference on Advances in Data Computing, Communication and Security* (2021). URL: `https://doi.org/10.1007/978-981-16-8403-6_20`.

TECHNICAL SKILLS

Programming Languages	– C, C++, Python, R
Data Science & AI	– Python libraries, MS Excel, Google sheets, Power BI, Tableau, Machine Learning, Time Series Analysis, Natural Language Processing, Computer Vision
Web Technologies	– HTML, CSS, Bootstrap, Materialize
Databases	– MySQL, MongoDB
Developer Tools	– Git, Docker, Google Cloud Platform, VS Code, PyCharm
Certifications:	– Deep Learning and Neural Networks, AI for Everyone, Basics of Angular, Python, Google cloud training, Frontend Fundamentals. Visit

PROJECTS

To Do App	– Flask To Do App with MongoDB.
Job Recommender	– Streamlit Job Recommender App with MongoDB.
Space-Dashboard	– Space Company Data visualization dashboard in Tableau.
Covid-Dashboard	– Covid-19 Data visualization dashboard in Tableau.
Disaster Prediction	– Predicting disasters in tweets using NLP in Python.
Review Scraper	– Walmart Product Review Scraper using Selenium in Python.
Temperature Prediction	– A time-series prediction project based on ARIMA.

ACHIEVEMENTS

– **Linux Foundation Training (LiFT) Scholar 2022** , recipient of Women in Open Source scholarship .
– **Winner** Internal Smart India Hackathon, organized by Institude Innovation Cell(IIC), 2022.
– Postman Student Expert. Verify here
– **Winner** in Future Hacks- Business Analytics Event, IIT Delhi
– Secured second position in Unicode Machine Learning Summer Course 2021 project evaluation. **Check Here**
– Selected for Online Asian Machine Learning School 2021, ACML.
– One of the six students Selected from India for Inaugural Student Ninja Board (2021-22) for ACM IKDD
– Selected for short term course on Data Analytics and Predictive Technologies in IIT-BHU.
– Granted Scholarship for ACM MobiSys 2021 mentorship and workshops.
– Successfully completed Ultimate Milestone of Google Cloud Ready facilitator Program

EXTRA CURRICULARS

– Volunteer @ **Computer Vision Talks, Montréal, Québec**
– Feature Editor @ ACM- XRDS
– Community Mentor @ **Yocket**
– Graphic Designing and Animations.**Check Here**