Akhil Sanker

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Undergraduate Student, Having a Strong foundation in Machine Learning and Deep Learning Concepts. Professionally worked as an Analyst, Software Developer. Worked on Developing Frameworks that depend on the Underlying Data.

My area of Focus is "Computer Vision", I've been working on papers and projects about the same. Experienced in Data Manipulation, Visualization, Statistical & probabilistic Modelling. Over the past two years, gained experience in working with all sorts of Data Pipelines.

Ready to Work in Building Statistical Models, Machine Learning Pipelines – Deployment, Data Analytics-Analysis, Business Analysis.

Skills

- Data Structures and Algorithms
- Machine Learning (AI, DL, Frameworks)
- Version Control – Software Development
- Probabilistic and Statistical Modelling
- Data Analytics and Analysis

- Python, JavaScript, C, C++, MATLAB, Html-CSS
- Stock Market Analysis – Business Analysis
- Python and Machine Learning Frameworks
- Natural Language Processing and Computer Vision

Experience

MAY 2020 – AUGUST 2020
Data Analyst / Positive Integers, Chennai 600018
- Performed Day to Day Activities of a Data Analyst. Predictive Analysis, Modelling Data to ensure meaningful insights Extraction.
- Complex Data Mining, Web Scraping, Visualization, Representation of data was performed with Excel Sheets for Business Analysis.

AUGUST 2020 – PRESENT
Machine Learning Engineer / Omdena , Omdena.com
- Working on Preventing Online Child Abuse.
- Working for "Save The Children" Organization.
- Part of 67-member team from 27 different Countries.

APRIL 2020 – PRESENT
Microsoft Learn Student Ambassador / Microsoft
- Hosted Webinars and Hackathons.
- Lead and organized teams and managed Events.

APRIL 2020 – PRESENT
AI Researcher / Agrim Lab
- Carry out Research works, Conduct events, take in projects.
- First Student-Run Lab at SRMIST.

JANUARY 2020 – PRESENT
Technical Reviewer/ Packtt Publishing
- Reviewed Courses based on Python, Data Analysis, Machine Learning, Node-Red.
- Prepared and reviewed questionnaire for students and course attendees.

JANUARY 2020 – PRESENT
Software Developer/ Freelancing
- Developed Frameworks and Software components that are data-driven and mostly depend upon ML-DL Algorithms.

Education

MAY 2018 - 2022
Bachelor of Technology – CSE(AI-ML) / SRM Institute of Science and Technology, Chennai-600089
- Studying Third year CSE with Specialization in Artificial Intelligence and Machine Learning.
- CGPA: - 9.7

JUNE 2015 - 2017
Higher Secondary - CS / Army Public School , Trivandrum-695006
- Higher Secondary Education in Computer Science with a Percentage of 75.

Licenses and Affiliations
- Microsoft Student Partner – Beta (May 2020)
- Prime Minister's Scholarship Scheme (June 2019)
- International Informatics Olympiad – State 1st (Oct 2015)
- Deep Learning Specialization - DeepLearning.ai
- Machine Learning Specialist – LinkedIn Learning

Relevant Publications and Projects

- **AutoQSAR Algorithm for Anti- Corona Viral Drug Leads**
  A program Developed to automate the Computational process of drug discovery. The purpose is to assist and accelerate the process of drug discovery.
  https://bit.ly/drugleadscorona
  https://github.com/reekithak/Covid19-Tool-for-Drug-Discovery

- **NLP-Based Text Mining Algorithm for Antient Human Understanding**
  The Program uses the power of LSTMs and Transformer models in bringing AI-powered machine into Humanity-Research area.
  Developed for better management and understanding written manuscripts in short.
  https://osf.io/preprints/socarxiv/p4q9c/https://github.com/reekithak/Tool-for-AI-powered-research-in-humanities

- **Data- Analytics Automation Framework**
  The Software / Framework was developed as a part of Data – Analysis Pipeline to perform and identify the needs of people and hence produce the best product output.

  The produced result is nothing less than "manually done data analysis" and is driven based on certain rule-based assumptions and heuristics.

  The program is Data-Driven, Imports, Analyses, Cleans, picks out just the most relevant information required for the process. It Requires more than normal computation and about 10-15 minutes to complete the execution process.
  https://github.com/reekithak/Box-Framework-Automation

- **Graph analysis for Drug Discovery in forming clusters of related drugs for efficient production**

  The Project is still under development and is focused on helping and accelerating drug-discovery.
  The possibilities of graph-neural networks and its algorithms help in contributing to the project. Frameworks like networkx is used to manipulate the data and create models of the clustered graphs and further algorithms are applied to find appropriate results.
  https://github.com/reekithak/SNA

NOTE:-
All Projects and Related-Works are available at my Github
https://github.com/reekithak