Kumaresh Dey

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Education

Jadavpur University Kolkata, India
Master of Engineering in Production Management,CGPA - 8.07 *2020 – 2022*
Jalpaiguri Government Engineering college Jalpaiguri, India
Bachelor of technology in mechanical engineering, CGPA - 7.44 *2015 – 2019*
Arambagh High School Arambagh, India
Secondary education (Percentage- 89) and higher secondary education(Percentage - 91.6) *2013,2015*

Internships and Part times

Associate Data Scientist (Intern) Feb 2022 –
Celebal Technologies *Remote*
- Learning and deploying new things about natural language processing and web scrapping

Research Intern Feb 2018 – Aug 2018
Birla Institute of Technology - Mesra *Remote*
- Worked as a research intern under Dr. Om Prakash on 'Solar air heater' and published paper named "Exergy and energy analysis of sensible heat storage based double pass hybrid solar air heater

Research Intern June 2017 – Dec 2017
Jalpaiguri Government Engineering College *Jalpaiguri,WB*
- Completed conference paper named "Optimum Inventory Cost- an EOQ Model " and presented on international conference of AFOR 2017

Projects

Skill Based Job Search| Git-hub
Python | Webscrapping (BeautifulSoup) | Flask | Jinja2 | HTML
- Web-scrapped a job searching website (indeed.com) and the rest of the program extracts important information including job description of each post by visiting every related posts' URL
- The program also finds out the required skills from the job description and returns the list of relevant jobs
- A flask API is made and for the front-end part HTML is used. The API is live at : Heroku

Prediction of Material Removal Rate of Electro Discharge Machining Using Machine Learning| Git-hub
Python | Numpy | Pandas | Scikit-learn | Seaborn | Matplotlib | Regression models
- Prediction of material removal rate was done using various regression models including Polynomial regression and Random forest Regressor
- Best model was achieved by Polynomial regression with a R2 value of 0.93
- Prediction API is live at:Anvil

Achievements

- Published paper named "Exergy and energy analysis of sensible heat storage based double pass hybrid solar air heater" doi: 10.1016/j.seta.2021.101714
- Presented paper named "Optimum Inventory Cost- an EOQ Model " on international conference of AFOR 2017
- Presented paper named "Environmental Effects Of Geothermal Power Plant – A Comprehensive Review" on national conference NCRAME 2019

Skills

- Data structures and algorithms(C++,Python)
- Machine Learning (Supervised, Unsupervised)
- Deep learning(Neural Networks)
- Natural Language processing
- SQL

Profile

- Leetcode
- Git-hub