ANANYA JINDAL

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MACHINE LEARNING SPECIALIST

SKILLS

- **Languages:** Python, Java, C++, SQL, Linux
- **Machine Learning Libraries:** Numpy, Pandas, NLTK, Scikit-Learn, Seaborn, Matplotlib
- **ML Algorithms:** Regression and Classification, SVM, Regularization, Dimensionality Reduction
- **Tools**: Tableau, Github
- **Other:** Problem solving, Data Structures, Algorithms, Agile Development Model, Presentation skills

PROFESSIONAL EXPERIENCE

Trainee Data Analyst – May 2018-July 2018 — *Gauge Data Solutions Pvt. Ltd., India*

- Made **Document Ranker** ranking a corpus of documents from most to least match with search terms based on **TF-IDF** vector scores to learn the backend algorithms working in company website
- Improved **citation detection** from the text data on company website by 40% using **regexes** in Python

PROJECTS -

Amazon Customer Sentiment Analysis – 2021

- Analyzed data set half a million Amazon review records using **Numpy, Pandas, Scikit-learn and Seaborn**
- Trained and tested with **CountVectorizer and TfidfVectorizer** as Natural Language Processing models and **Logistic Regression** as Machine Learning model to predict ratings with over 90% accuracy
- Checked for and removed imbalanced data using **Dummy classifier and oversampling**

COVID-19 Data Analysis using Python – 2020

- Used Data Analysis and visualization libraries **NumPy, Pandas and Seaborn**
- Finds and visualizes the **correlation analysis** on infection cases and deaths due to Covid-19 of countries with factors like GDP, per capita, life expectancy, etc.

Fake News Segregation – 2019

- Text Mining and Analysis project that segregates a news title or content as fake or real, made in Python
- Model made predictions with accuracy of 85.7% using IDFs and 89.3% with TFs

Working of Genetic Algorithms – 2018

- Java project to complement a research paper showing the procedures in Genetic Algorithms
- Process:
  - It takes input of the initial population in binary form and number of generations
  - Performs **crossover and mutations** on individuals selected by **Roulette wheel selection**
  - Outputs final population after input number of generations

EDUCATION

Bachelor of Engineering in Computer Science and Engineering – 2016-2020

Chandigarh University, India - Graduated with **Honors**

- **Relevant Courses:** Data Structures and Algorithms, Relational Data Management Systems, Big Data Analytics, Machine Learning, Artificial Neural Networks, Operating Systems
- **Extracurriculars:** Tech event and cultural fest coordination, Anchoring, Painting
- **Achievements:** Full academic scholarship, part of Elite section

CERTIFICATIONS AND AFFILIATIONS

- **Fundamentals of Project Management, Remote – 2021** — *SSB, York University & IWC*
- **Google IT Automation with Python – Specialization – 2020** — *Coursera*
- **Machine Learning – 2020** — *Stanford University (Coursera)*
- **Problem Solving (Basic) Certificate – 2020** — *HackerRank*
- **EPAM Pre-Education Program (PEP) – 2019** — *EPAM Systems*
  - Java, Object Oriented Programming