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Abhishek Kumar

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EDUCATION

Illinois Institute of Technology

Master of Computer Science

Jan 2021 - Dec 2022

Chicago, Illinois

University of Petroleum and Energy Studies

Bachelor of Technology, Computer Engineering

Jun 2013 - Jun 2017

Dehradun, India

SKILLS

Languages	Python, PySpark, Shell Scripting, Java, C
Storages	PostgreSQL, MySQL, SQLite, MongoDB, Google Firebase, GCP, S3
Web Technologies	Django, Streamlit, Flask, HTML5, CSS3, FastAPI, RESTful API, Bootstrap, Node.js
Libraries and Tools	Tableau, Scikit-learn, Excel, NumPy, Pandas, Jupyter Notebook, PyCharm, Linux, Qlik
Cloud	AWS Glue, AWS SageMaker, Lambda, CloudWatch, Docker, Athena, GitLab, Bitbucket

TECHNICAL EXPERIENCE

Business Intelligence and Data Science Developer

Kuehne & Nagel Inc.

Apr 2023 — Present

Memphis, Tennessee

- Designed geolocation tagging with **AWS SageMaker** to enhance logistics analytics for USA, Canada, and Mexico, improving route efficiency and reduced delivery cost by **20%**
- Engineered **Glue ETLs** to optimize data loading from multiple sources, cutting retrieval time by **45%** and enhancing data integrity
- Validated flat files using **PySpark** and integrated **Lambda** for seamless data transfer from S3 to GCP storage
- Orchestrated **Tableau** project post-Qlik migration, enhancing data visualization and boosting strategic decision making by **30%**

Automation Analyst Intern

CCC Intelligent Solutions

Jan 2022 — Dec 2022

Chicago, Illinois

- Developed CARES dashboard utilizing **Streamlit**, **FastAPI**, and MongoDB, reduced report preparation time by **40%**
- Automated incident analysis with supervised models, improved data processing efficiency by **5%**
- Implemented audit task board with Tableau and Python to monitor data, provided actionable monitored data insights
- Built Python-based application to automate **25+** daily reports, ensuring issue resolution within 24 hours

Software Developer

Must Discover Private Limited

Jul 2017 — Apr 2020

Greater Noida, India

- Delivered web application for automation and monitoring critical processes using **Flask**, **Rest APIs**, and Python for over **80 clients**, increasing client retention by **41%**
- Collaborated with Data Science team to predict customers behavior on re-purchasing products using **PySpark**, Scikit-learn, and SQLite, **boosting** targeted marketing campaigns by **60%**
- Spearheaded product design for web application and integrated microservices using Node.js and Python in AWS Lambda, EC2
- Enhanced user experience for high traffic with Django and Nginx, improved routing performance by **33%**

PROJECTS

Real-Time Stock Market Analysis using Kafka | [GitHub](#)

May 2022 — Jun 2022

- Utilized Python, **Kafka**, and AWS Glue to create a data pipeline for collecting, processing, and storing real-time stock market data
- Applied AWS QuickSight to provide real-time data visualization insights on stock market data of **100+ companies**

COVID-19 Live Tweet Analyzer | [GitHub](#)

Sep 2021 — Dec 2021

- Analyzed live tweets by generating data pipelines and used **Kafka** for tweet ingestion, and PySpark for analysis
- Performed bag of words classifiers, and created text categorization model with feature engineering and got an efficiency of **85%**

Movie Recommendation Content-Based Filtering | [GitHub](#)

May 2021 — Jul 2021

- Built recommender system with data preprocessing functions and ETL pipelines using Airflow to find movies using genres etc.
- Deployed web application using Python and **Heroku**, and used TMDB RestAPI to retrieve from data set of **45000+ movies**

Route Planning Algorithm | [GitHub](#)

Jan 2021 — Mar 2021

- Developed and optimized the **A* Search Algorithm** to design Google Maps-inspired route planning algorithms
- Established search strategy for **4 maps** enabled discovery of the shortest path while expanding minimum number of possibilities

CERTIFICATIONS

- Nano Degree in Data Structure and Algorithm, Udacity
- Tableau Desktop Specialist, Tableau