

PRATEEK GOYAL

Data Science Graduate

12x Certified Data Science Professional with 5+ years of industrial experience in delivering data-driven decisions and insights to clients across the Automotive, Logistics, and Healthcare domain. Highly skilled in ETL data pipelines, Data Visualization, Machine & Deep Learning, and AWS Cloud.

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github.com/prtk1306/Data_Science

WORK EXPERIENCE

Data Science Engineer

Hinge Global

01/2021 - Present

Cincinnati, Ohio

- **Cloud Engineer:** Designed AWS architecture to execute artificial bots on the E-commerce platform parallelly. Skills: AWS ALB, ASG, SQS, EC2, Ops Automator, automatic horizontal/vertical scaling, AMI
- **Python Developer:** Created a web scraping bot to parse data from major E-commerce platforms and store the data onto the Data Warehouse. Skills: AWS Redshift, Lambda, S3, Python, BeautifulSoup, Selenium, boto3
- **BI Developer:** Designed the weekly performance tracking dashboard to enable sellers to analyze their weekly sales and performance reports. Skills: Tableau, Python, AWS Redshift

PLM IT Intern

Visteon Corporation

06/2020 - 08/2020

Van Buren, MI, USA

- **BI Dashboard Developer:** Designed an OnDemand Business Centric reports using a data cube approach; enabled end-user to fetch reports using the drag-n-drop dimensions. Skills: Siemens Teamcenter Reporting and Analytics, OLTP, OLAP
- **Data Engineer:** Designed and developed fully automated ETL pipelines for data synchronization between systems using code reusability approach, reduced sync-time by 95.8%. Skills: Python, Oracle, SQL, Task Scheduler
- **Data Engineer:** Created Log parsing scripts using Python, automated email communication using mail transfer protocol for handling script failure/error. Skills: Python, SMTP, Batch Scripts

Senior Associate Technical Consultant

SAS Institute, Inc.

06/2017 - 07/2019

Pune, MH, India

- **Lead Analytical Dashboard Developer:** Led the development and maintenance of various visual analytic dashboards and reports to drive health science-related decisions and communicate real-time feeds to Doctors; resulted in saving 300+ lives last year. Skills: Tableau, SAS Visual Analytics, SAS Cloud (SAS Viya)
- **Big-Data Engineer / Scientist:** Developed ETL pipelines for pre-processing terabytes of PHI data, performed data integration, data analysis, data pre-processing, feature engineering; making data ready for downstream purposes. Skills: Statistics, SAS Data Integration, SAS Macros, HDFS, Hive, Sqoop
- **Data Engineer:** Created ETL scripts for parsing log files for auditing purposes; enhanced security services. Skills: Python API, Regex, RDBMS
- **Data Architect:** Managed 60+ servers including production; designed execution plan for 20+ health science use-cases; implemented automatic cron backups for handling disaster recovery. Skills: SAS Admin, Cron jobs, Linux, Shell Scripts, JIRA

DATA SCIENCE PROJECTS

Alzheimer's Disease: Diagnostic Classification and Prognostic Prediction Using Neuroimaging Data. Skills: Logistic Regression, SVM, Tree-based models, Adaboost, CNN, DNN

Stock Price Analysis & Prediction. Skills: Exploratory Data Analysis, Feature Engineering, Time Series, Web Scraping, Tree-based model, XGBoost, ANN, Hyperparameter Tuning

Worldwide COVID-19 Dashboard and Storytelling using Tableau. Skills: Union, Join, Blending, LOD, Table Calculations, Calculated Field, Parametric Filters

Multi-Label Image Classification using Keras and Deep Learning. Skills: AWS Sagemaker, S3, EC2, Image Augmentation, Transfer Learning: VGG-16 & MobileNet, CNN, DNN, Dropout, Parameter Tuning using Grid-Search, KNN, Naive Bayes, Logistic Regression, L1-L2 Regularization, DCT

Text Prediction using Natural Language Modelling in NLP. Skills: NLP, Stacked LSTM, RNN, Early Stopping

House Price Prediction using SAS. Skills: SAS Macros, Procs

Exploratory Data Analysis of Superstore Dataset using Tableau. Skills: Advanced Tableau, Tableau Prep Builder

AWARDS & ACCOMPLISHMENTS

Applied Statistics Graduate Certificate at MTU.

3X SPOT Award at SAS Institute and TCS.

5x SAS, 3x AWS, 2x Tableau, 1x Azure, 1x Oracle certified.

4X Medium around Data Science & Machine Learning.

EDUCATION

Masters of Science (Data Science)

Michigan Technological University, USA

09/2019 - 12/2020

CGPA 4/4

Bachelor of Technology (Computer Engineering)

Bharati Vidyapeeth Deemed University, India

07/2010 - 06/2014

First Class with Distinction

SKILLS

Machine & Deep Learning

AWS

Tableau

Python

Exploratory Data Analysis

SQL

SAS

Statistics

R

ETL Pipelines

Feature Engineering

Hadoop

SAP

Visualization

Big-Data

Optimization

NLP

WORK EXPERIENCE

System Engineer

TATA Consultancy Services (TCS)

09/2014 - 06/2017

Gurugram, HR, India

- **Data Analyst / Scientist:** Built and productionized the route optimization model for the transportation of empty containers; saved up to \$4 million yearly. Skills: SAS, C++, Oracle, DBA, PL-SQL, Zabbix, Linux, Version Control
- **BI Dashboard Developer:** Single-handed responsible for end-to-end Project life-cycle (requirement gathering, development, productionize) of SAP Business Objects dashboard and reports. Skills: SAP, IDT, SQL, OLAP, OLTP, IoT Telemetry, RabbitMQ
- **Lead Data Engineer:** Led, develop, and deployed the sprint patches onto the production before the deadline. Skills: Leadership, Agile, DevOps
- **Data Engineer:** Optimized an existing relational data model and complex SQL queries; reduced query execution time by up to 99.4% by analyzing the query execution plan. Skills: Oracle/MS SQL Server, SQL, Data Profiling, Index, Partition, Materialized Views

SKILLS

Leadership

Communication

Problem Solving

