

ANIMESH MATHUR

Full Stack Data Scientist

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Skills

Statistical and Data Mining Techniques:

- Data Wrangling
- Data Cleaning
- Data Analysis
- Hypothesis Testing
- Feature Analysis
- Regression Analysis
- Association Rule Mining
- Cluster & Outlier Analysis

Predictive and Prescriptive Analytics:

- Feature Engineering
- Regression Modeling
- Classification Modeling
- Recommendation Systems
- Data Segmentation

Libraries, Tools and Technologies:

- Python | NodeJS
- SQL | NoSQL
- NumPy | Pandas
- Stats models | scikit-learn
- Keras | TensorFlow
- Matplotlib | Seaborn
- Tableau | Microsoft Excel
- Jupyter | Spyder | VS Code
- Git | Docker | Jenkins

Career Summary

Consulting professional with work experience as data scientist and full stack engineer. Handles activities such as business knowledge acquisition, brain storming, data wrangling, exploratory data analysis, feature engineering, model development and deployments. Also, shares responsibility as a lead to touch base with clients, coordinate with onshore/offshore team members and address any technical challenges.

Work Experience (7.5 years)

Senior Consultant, Deloitte

Gurgaon | 2017 – Current

Project 1 – Recommendation System (Ongoing)

Domain – QSR Supply Chain

Building generalized system to recommend add-ons with the menu items on basis of sample associations, their properties and store demographics.

Tasks performed – Data wrangling, EDA, Hypothesis Testing, Feature engineering and reduction, Association Rule Mining, Cluster analysis, etc.

Project 2 – Loan Request Validator

Domain – Financial Services

Built regression model to estimate maximum loan amount which could be sanctioned to any kind of business for given set of purposes.

Tasks performed – Sampling, data cleaning, missing values imputation, outlier handling, cluster analysis, feature selection, regression analysis, training and evaluation of models, deployments using Jenkins, etc.

Project 3 – Discount Engine

Domain – Marketing

Built regression model to integrate into quotation workflow to estimate discount for a given quote based on historical data of leads and contracts.

Tasks performed – Data wrangling, feature extraction, cluster analysis (to identify patterns of product selection in existing contracts), hypothesis testing, regression analysis, training and evaluation of linear and non-linear models, regularization, model integration in web application, etc.

Other Projects

- Developed a CPQ system with complex workflows and validation framework for a leading computer hardware manufacturer firm.
- Developed catalog management system for a famous American film production studio.

Software Engineer, CGI Group

Bangalore | 2015 – 2017

- Developed full stack web applications using MEAN and MERN stacks.
- Leveraged DevOps tools such as JIRA, Git, Docker, Jenkins, etc.
- Worked in Agile software development process.

Personal Projects

Prediction Model to Estimate Crop Yield

Built regression model on a dataset created upon gathered historical data of crop production along with metrics of influencing factors. This model should be able to predict crop yield in a farming season based upon information such as farming area, geo location, available water resources, identified weather conditions, etc.

Complexity Measuring Tool (for Agile Software Development)

An NLP based regression model to measure the complexity of a requirement from its description text (such as one given in a JIRA story or a confluence document).

Education

- B.E. in Computer Science and Engineering from ITM Universe, Gwalior (affiliated to RGPV, Bhopal) | 2010-14
- Pursuing M.Tech. in Data Science and Engineering from BITS Pilani | 2021-23

Awards and Accomplishments

- Achieved place in among 'Best Five Solution Providers' in a Kaggle like Machine Learning competition (hosted by Deloitte - AI Guild).
- Received 'Applause Award' (in 2020, 2021 and 2022 at Deloitte) for taking ownership of highly challenging tasks and delivering them effectively.
- Received 'Pat on the Back Award' (at CGI) for smart work and high quality of deliverables.