GOURAV

+91-8437610787

gourav.me52003@gmail.com

github.com/Gourav052003

linkedin.com/in/Gourav052003

EDUCATION

Bachelor of Engineering in Computer Science & Engineering
Jul 2020 - Jul 2024

Chandigarh University, Punjab, India
CGPA: 7.51

Coursework: Principles of Artificial Intelligence, Statistical Methods using R, Basics of Business Analytics, Probability and Statistics, Business Intelligence, Data Visualization, Machine learning, Design And Analysis Of Algorithms, Data structures & algorithms, Operating System, DBMS, Computer Networks, Cloud Computing

COMPETENCIES

Programming Languages: Python, SQL
Databases: SQL Server, MySQL
Data Analytics Tools : Power BI, MS Excel, Matplotlib, Seaborn, Pandas, NumPy, Scikit-learn
Machine Learning Models: Linear Regression, Logistic Regression, KNN, Decision Trees, Random Forest
Interpersonal skills: Communication skills, Attention to detail, Critical thinking, Collaboration skills, Problem-solving abilities, Adaptability

EXPERIENCE

.NET Full Stack Trainee

Tech Mahindra, Chandigarh, India

- Worked on developing a back-end of an E-Commerce website in ASP.NET Core 8.0 Web API using C# asynchronous programming concepts for better user experience.
- Understood all the front-end components built in Angular 17 and Typescript to apply lazy loading for fast response and less latency while loading the website.
- Prepared CI/CD pipeline with two independent providers i.e. Azure DevOps for CI and GitOps with ArgoCD for CD to automate and fasten the deployment of Project on Azure Kubernetes Clusters.

PROJECTS

Predicting Customer Engagement in Financial Products of Banking Institutions - GitHub

- Resolved the biases in the dataset that occurred due to poor sampling of data this led to a more accurate analysis of data features and the building of an accurate model.
- Employed backward feature elimination technique to remove the unnecessary features in the data hence reducing the model training time and saving computation power.
- Achieved a 92.87% accuracy in determining the count of successful subscriptions by developing hyperparameter-tuned Random Forest model.

Data-Driven Sales Forecasting for Big Mart Retail Outlets - GitHub

- Spearheaded analysis of sales data for 1600 different products across 10 outlets to identify the most lucrative outlet with the highest sales volume.
- Evaluated over 8 regression models using hyperparameter tuning and cross-validation techniques to reduce the RMSE score to 0.087 in outlet sales prediction.
- Created reusable Column Transformer pipelines for various machine learning models, which reduced preprocessing code duplication by 40% and improved project maintainability.

Advanced Statistical Hypothesis Testing with SciPy and statsmodels - GitHub

- Implemented 20+ statistical tests using Python libraries (SciPy, Statsmodels) to analyze datasets, including hypothesis testing, regression analysis, and ANOVA.
- Formulated small samples of a size less than 30 to improve test reliability and executed non-parametric tests to ensure accurate results despite data distribution challenges.

CERTIFICATIONS

- **Data Analytics with Python - IIT Roorkee :** Got a Deep dive into the intricacies of Hypothesis testing, predicting modeling, and real-life use cases to understand the principles of Data Analytics better.
- **AWS Cloud Technical Essentials - AWS :** Learned working on using various AWS services related to security, Compute & Networking, Storage & Databases, and Monitoring for running projects on Cloud.
- **Introduction to NoSQL Databases - IBM :** Gained Hands-On experience with CRUD operations with the No SQL databases such as MongoDB and Apache Cassandra through Online Labs.

ACHIEVEMENTS

- Top Performer and Gold Medalist with 95% in the Data Mining National level Proctored exam by IIT Kharagpur.
- Published two research Papers in the IJRASET Journal in the domain of Machine learning.