



ANSHUL RAJESH DHAMANKAR

B.Tech. - Computer Science & Engineering

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BRIEF SUMMARY

Aspiring Data Scientist, AI ML Developer with skills in Python, SQL, AI, ML and Gen AI. Proven experience in developing scalable web apps and real-time dashboards through internships and academic projects. Actively looking for opportunities in Data Science / Data Analysis / AI & Machine Learning Engineering to apply problem-solving and Fullstack capabilities.

KEY EXPERTISE

Data Science Machine Learning Data Analysis Web Development EDA Flask Python Jupyter Notebook
PowerBI Git GitHub XAMMP Google Colab SQL SQLite Rest API Streamlit AWS Render
Cloud Foundations Gen AI

EDUCATION

MIT School of Computing B.Tech. - Computer Science & Engineering CGPA: 6.58 / 10	2022 - 2026
12 th Percentage: 69 / 100	2022
10 th Percentage: 86 / 100	2020

AWARDS AND SCHOLARSHIPS

- Winner @IdeaSpark2k23

INTERNSHIPS

INTERVIE TECH IT Product & Services Data Analyst Intern Performed EDA on 12,000+ employee records to identify key attrition drivers (age, salary stagnation, work-life balance). Generated 10+ data visualizations using Matplotlib, leading to a 11% retention improvement and 18% drop in voluntary exits. Documented 15+ insights to guide HR strategy, boosting engagement scores by 9% across multiple departments.	01 Dec, 2023 - 01 Jan, 2024
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PROJECTS

DataPilot.chat

Team Size: 1

Key Skills: Machine Learning Web Development Flask Data Science Data Analysis API GenAI

Project Link: <https://github.com/anshulldhamankar/DataPilot-Chat-ScreenShots/tree/main/DataPilot.chat%20Screenshots>

Prototyping a no-code ML platform enabling users to generate trained models from raw CSV/SQL data using natural language—reduced manual coding by 90%.
Integrated AutoML, EDA, and NLP modules to automate data processing and model training, cutting analysis time by 70%.
Implemented one-click export for reports, models, and query logs, improving workflow efficiency and traceability.

Bangalore House Price Prediction App

Team Size: 1

Key Skills: Data Science Data Analysis Machine Learning API Web Development Flask

Project Link: <https://github.com/anshulldhamankar/House-Price-Prediction>

Built a Flask-based web app to predict house prices using Linear Regression.
Compared 5+ ML models; optimized Linear Regression achieved R^2 of 0.82, outperforming Lasso (0.79) and Decision Tree (0.72).
Applied feature engineering on 1,3000+ rows, improving prediction accuracy by 12%.

Customer Churn Prediction System

Team Size: 1

Key Skills: Data Science Machine Learning Web Development Streamlit

Project Link: <https://github.com/anshuldhmankar/DeepQ-Assignment/tree/main/Churn%20Prediction%20All%20Files>

Trained LightGBM classifier on 167,000 rows to predict churn with 96% accuracy.

Performed EDA to identify Columns affecting Churn.

Prioritized False Negatives < False Positives, improving retention strategy effectiveness by 15%

SMS Classifier Naive Baiyes Classifier

Team Size: 1

Key Skills: Machine Learning Classification Data Science EDA

Project Link: <https://github.com/anshuldhmankar/SMS-Classifier-Naive-Baiyes-Classifier->

Developed a SMS Classifier Streamlit App to classify messages into spam and not spam

Trained using Naive Bayes Classifier and achieved 98% accuracy

HR Employee Attrition Analytics

Mentor: Interview Tech | **Team Size:** 1

Key Skills: Data Analytics Data Vizualization EDA

Project Link: <https://github.com/anshuldhmankar/Analytics-On-Employee-Attrition>

Conducted EDA on employee data to identify key attrition drivers like age, salary hikes, and work-life balance.

Created impactful visualizations and insights that shaped retention strategies , resulted in 11% increased retention.

Documented insights to support long-term decision-making and improve workplace health and engagement.

Echo

Team Size: 1

Key Skills: Python API

Project Link: <https://github.com/anshuldhmankar2004/AI-based-Virtual-Assistant>

Voice-based assistant built using Python, Speech Recognition, and OpenAI.

Integrated APIs for computational knowledge (Wolfram Alpha) and news updates.

Winner at IdeaSpark 2k23, nominated for innovation by CRIEYA.

Bedside Bot

Team Size: 4

Key Skills: Python Computer Vision API Classifiers

Developed a bot for bed ridden patients to connect them with caregivers with the help of eye tracking model, facial recognition along with speech and hand sign recognition

Integrates Computer Vision for facial expression classification , discomfort detection

Financial Performance Analysis (Power BI)

Team Size: 1

Key Skills: Data Analysis Data Vizualization PowerBI

Project Link: <https://github.com/anshuldhmankar/Performance-Analysis-PowerBI>

Developed a Power BI dashboard showcasing revenue, expenses, and profit margins. Integrated SQL data and used Power Query for data transformation to support strategic decisions.

Sales Insights Dashboard (Power BI)

Team Size: 1

Key Skills: Data Analysis Data Visualization Power BI DAX

Project Link: <https://github.com/anshuldhmankar/Sales-Insight-PowerBI>

Built an interactive Power BI dashboard showcasing sales trends, top products, and regional analysis. Utilized SQL data, Power Query for data prep, and visualization tools to support strategic decisions and enhance transparency.

ERP Lite – Inventory Management System:

Team Size: 1

Key Skills: Python SQLite Flask API

Project Link: <https://github.com/anshuldhmankar/Inventory-Management-System-ERP->

Designed for retail, this system handles CRUD operations for products, suppliers, and transactions.

Features AI-driven reorder suggestions using the Together API. Built with Flask, SQLite, Bootstrap, and Chart.js, and deployed on Render.

Fraudulent Transaction Classification

Team Size: 1

Key Skills: Python, Classification Algorithm , Machine Learning.

Project Link: <https://github.com/anshulddhamankar/Fraudulent-Transaction-Prediction>

Built a LightGBM fraud detection model on 6.3M+ transactions, achieving 94.7% ROC-AUC with balanced precision/recall. Handled severe class imbalance with SMOTE, outlier detection, and categorical encoding. Applied feature engineering , improving prediction accuracy by 12%.

ACHIEVEMENTS

- Python 5 Star HackerRank

ASSESSMENTS / CERTIFICATIONS

Generative AI: Elevate Your Data Science Career

Databases and SQL for Data Science with Python

Exploratory Data Analysis for Machine Learning

Exploratory Data Analysis for Machine Learning

What is Data Science?

Machine Learning with Python

Deloitte Data Analytics Job Simulation

WEB LINKS

- Github - <https://github.com/anshulddhamankar>

PERSONAL DETAILS

Gender: Male

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