

DEEPAK MADAN JHA

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SUMMARY

Results-driven data scientist with 2+ years of practical apprenticeship and internship experience in data analysis, machine learning, and statistical modeling. Proficient in Python, adept at solving complex challenges, and passionate about leveraging data for innovation in a collaborative team environment.

SKILLS

- **Programming Languages:** Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn)
- **Machine Learning:** Regression, Classification, Clustering, Decision trees, Random forests, K-Nearest Neighbors (KNN), Support Vector Machine (SVM), XGBoost, Gradient Boost
- **Deep Learning:** Natural Language Processing (NLP) - NLTK
- **Computer Vision:** OpenCv, Tensorflow, Keras, PyTorch, MediaPipe
- **Exploratory Data Analysis (EDA):** Proficient in deriving insights from data exploration
- **Statistics:** Strong foundation in data types, descriptive statistics, sampling, inferential statistics, hypothesis testing
- **Database:** MySQL
- **Data Visualization:** Power BI, Tableau
- **Tools & IDEs:** Jupyter Notebook, Spyder, Visual Studio Code

EDUCATION

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|---|--|
| 1) Bachelor of Technology (B.Tech) <ul style="list-style-type: none">• Kakatiya University – Warangal• Computer Science Engineering | July 2016 – April 2022 Warangal, Telangana Score: 64.49% |
| 2) Higher Secondary Certificate (12th) <ul style="list-style-type: none">• Gujarat Secondary and Higher Secondary Education Board | April 2014 – March 2016 Surat, Gujarat Score: 53.53% |
| 3) Secondary Certificate (10th) <ul style="list-style-type: none">• Gujarat Secondary and Higher Secondary Education Board | April 2013 – March 2014 Surat, Gujarat Score: 68.16% |

EXPERIENCE

- | | |
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| 1) S M Techno Consultants Pvt. Ltd. <ul style="list-style-type: none">• Software Developer Trainee• Designed, developed, implemented and tested new software solutions for internal and external partners using HTML, CSS, JavaScript, and React.JS, contributing to the successful completion of a major organizational project• Well-organized and collaborative team player with strong communication and analytical abilities.• We redesigned and developed the search module using JavaScript with AntUI, which increased performance metrics by 20% and decreased lines of code by 50%. | October 2022 – March 2023 Surat, Gujarat |
| 2) Atri Technocrat <ul style="list-style-type: none">• Data Science Intern• I worked with data scientists in all phases of the data science project life cycle, including data and data cleaning, thereby improving data quality by 1.5 times.• Executed data mining across massive volumes of unstructured data using Python and SQL, thereby reducing manual production error by close to 30%.• Performed statistical analysis using Python, SQL, Advance Excel, Power BI, and Tableau, thereby suggesting 2 effective revenue leakage mitigation strategies. | June 2021 – May 2022 Mumbai, Maharashtra |

- Analyzed and processed large datasets to identify patterns and trends, leading to the development of a predictive model that increased sales by 10%.
- Collaborated with data scientists and software engineers to optimize the performance of machine learning algorithms, achieving a 15% improvement in accuracy and a 20% reduction in processing time.

3) Hess Construction Co Pvt Ltd

January 2021 – June 2021

• Data Analysis & Machine Learning

Surat, Gujarat

- Executed tasks effectively and efficiently, resulting in a 15% increase in departmental productivity
- Demonstrated strong ability to do quality work for the usual projects that an individual would be assigned at this level
- Analyzed large sets of data, resulting in a 10% increase in efficiency and productivity

PROJECTS

1) Volume Hand Controller

- Volume Hand Controller using OpenCV is a system that allows controlling the volume of an audio output by detecting hand gestures using computer vision techniques.
- OpenCV (Open Source Computer Vision) is an open-source library that provides various tools and functions for image and video processing.
- Achieved a 90% accuracy rate in hand gesture detection, improving the reliability of the volume control system.
- **GitHub**

2) Movie Recommendation System

- The aim of this project is to develop a movie recommendation system that provides personalized movie suggestions to users based on their preferences and viewing history.
- The recommendation system will leverage machine learning algorithms to analyze user data and make accurate movie recommendations.
- Increased user engagement by 15%, measured through user feedback and increased movie views.
- **GitHub**

3) Sales Analysis

- Sales analysis is a crucial aspect of data analysis in business that involves examining sales data to gain insights into the performance, trends, and factors influencing a company's sales activities.
- It encompasses various techniques and methodologies to extract valuable information from sales data, enabling businesses to make informed decisions, optimize sales strategies, and drive revenue growth.
- Improved sales conversion rates by 20% through data-driven strategy optimization.
- **GitHub**

4) My Portfolio

- A Portfolio website that I build while learning React.js. I made this website for myself.
- I learned a lot about React.js and still, I am exploring React.js to learn as much as I can.
- React.js, AOS Animate on Scroll Library, HTML5, CSS3, VS code
- **GitHub**

TRAINING/COURSES

1) Full Stack Data Science By NARESH I Technologies

- Successfully completed a Full Stack Data Science course, acquiring in-depth knowledge in data science and analytics.
- April 2023 – July 2023

2) Introduction To Data Analytics By Simplilearn Online Course

- January 2022

3) Graphs In Python By Great Learning Academy

- January 2022