Konka Bhanuprakash

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Career Objective

Highly passionate and self-driven individual pursuing a career as a Data Analyst Intern or Entry-Level Data Analyst. With a deep curiosity for extracting meaningful insights from data, I bring strong skills in Python, SQL, Excel, and visualization tools such as Matplotlib, Seaborn, and Power BI. I have a keen interest in learning and mastering data storytelling, not just for job purposes but as a personal intellectual pursuit. Proficient in descriptive and inferential statistics, hypothesis testing, and data interpretation. Actively seeking an opportunity to contribute to data-driven decision-making through statistical analysis, Excel-based reporting, and impactful visualizations.

Education

Bachelor of Technology in Computer Science Engineering   2023 – 2027
Siddhartha Academy of Higher Education, Vijayawada
CGPA: 8.97

Intermediate - MPC (Mathematics, Physics, Chemistry)   2021 – 2023
Sri Chaitanya, Vijayawada
Percentage: 98%

Core Technical Skills

- **Programming & Scripting:** Python, SQL, Java, C
- **Data Analysis:** Exploratory Data Analysis (EDA), Data Cleaning, Data Preprocessing, Data Extraction (Web Scraping), Pandas, NumPy, Descriptive & Inferential Statistics, Hypothesis Testing, Correlation Analysis, Data Interpretation
- **Visualization Tools:** Matplotlib, Seaborn, Power BI, Microsoft Excel (Pivot Tables, VLOOKUP, Charts)
- **Database Management:** SQL Queries, Joins, Subqueries, Indexing, Stored Procedures, ACID properties
- **Other Tools:** GitHub, Jupyter Notebook, Google Colab, VS Code
- **Web Basics:** HTML, CSS, JavaScript
- **Soft Skills:** Problem Solving, Team Collaboration, Attention to Detail, Time Management

Job Role Alignment

- Skilled in analyzing structured data using Python, SQL, and Excel for generating business insights and reports.
- Proficient in data storytelling, dashboards, and supporting decision-making through visual analytics.
- Internship-ready fresher with hands-on EDA projects and certifications in Excel analytics and data science.

Projects in Data Analysis

Titanic Dataset Survival Analysis (Python, EDA, Seaborn)
Classification Problem, Feature Understanding, Missing Data Analysis

- Performed extensive EDA on Titanic dataset to identify survival patterns across gender, age, class, and fare.
- Visualized key patterns using Seaborn heatmaps, barplots, and boxplots to detect correlation and data imbalance.
- Cleaned and preprocessed missing data, engineered features like "FamilySize", and drew survival insights.

Sugarcane Yield Analysis (Python, Pandas, Matplotlib)
Exploratory Study, Statistical Summary, Correlation Insights

- Conducted EDA on district-level sugarcane dataset covering rainfall, yield, and production across years.

- Plotted rainfall vs. yield and analyzed regional patterns using line charts and grouped bar graphs.
- Derived actionable conclusions on the relationship between climatic conditions and sugarcane yield performance.

Retail Management System (SQL + Python)
Inventory Management, Query Optimization, Data Reporting

- Developed a Python + SQL project to manage inventory, sales, and revenue data.
- Optimized SQL queries using indexing to improve report generation speed by 40%.
- Added robust user authentication and secure data handling for business safety.

Sentiment Analysis Chatbot (NLP + EDA)
Text Classification, Visualization, Model Evaluation

- Applied NLP to classify text sentiment and visualize emotions using Seaborn and Matplotlib.
- Trained ML models on labeled data to achieve 85% sentiment prediction accuracy.
- Performed EDA to explore word distributions, polarity, and keyword trends.

Certifications

- **Kaggle:** Data Cleaning, Data Visualization, Exploratory Data Analysis
- **Coursera:** Excel for Business Analytics (by Macquarie University)
- **Cisco:** Programming Essentials in C and Python
- **NPTEL (IIT Kanpur):** Foundations of R Software for Data Analytics
- **UiPath:** Automation Explorer Training for RPA

Achievements & Leadership

- Finalist in Hack-a-Bot Hackathon – AI-powered Chatbot Design
- Top 2% Rank in EAMCET 2023: Rank 3,921 out of 2,00,000 students
- Winner – National Debate (People's Education Programme 2024–25)
- GDG VRSEC – Project Presentation Shortlisted
- Active Volunteer: NSS, Little Hands Org., and Student Tribe

Languages

- **English:** Professional Proficiency
- **Telugu:** Native
- **Hindi:** Conversational