DURGA PRASAD GOVINDAS

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PROFESSIONAL SUMMARY

Data professional with a strong foundation in **Mathematics, Statistics, and Computer Science,** skilled in managing the **end-to-end data lifecycle** — from data collection and transformation to modeling and visualization. Experienced in **Python, SQL, Power BI, and Excel,** with a proven ability to turn complex datasets into actionable insights across **telecom, healthcare, and operational analytics.**

SKILLS

- **Data Analysis:** Exploratory Data Analysis (EDA), Statistical Analysis, Predictive Modeling
- **Programming Languages:** Python, R
- **Database Management:** SQL
- **Data Visualization Tools:** Power BI, Excel
- **Statistical Tools:** SPSS
- **Mathematical Modeling:** Cox PH, AFT, and Mixture Models
- **Techniques:** EDA, Data Cleaning, Statistical Analysis, Predictive Modeling, Regression, Classification, Clustering
- **Communication:** Report writing, visualization, and interpretation of medical data for research presentation

EXPERIENCE

Data Analyst Intern - Codegnan IT solutions PVT Limited., Vijayawada | *August 2023 – December 2023*

- Worked as a **Data Analyst Intern** focusing on real-world data analysis, visualization, and statistical modeling.
- Collected, cleaned, and transformed large datasets ensuring **data integrity and accuracy** using **Python, R, and SQL.**
- Performed **Exploratory Data Analysis (EDA)** and **statistical analysis** to identify trends, correlations, and key performance indicators.
- Built **Power BI dashboards** and **Excel reports** to visualize data-driven insights for internal presentations.
- Applied **statistical techniques** such as regression, classification, and correlation analysis for business and research datasets.
- Collaborated with senior data scientists to understand analytical workflows and present actionable insights to mentors and peers.
- Gained hands-on exposure to **data wrangling, visualization, and predictive analytics workflows** used in industry settings.

Data Science Intern - Unified Mentor | *October 2025 – Present (Ongoing)*

- Working on **real-world data science and machine learning projects** involving **data preprocessing, model building, and performance evaluation.**
- Conducting **Exploratory Data Analysis (EDA),** data visualization, and applying **supervised and unsupervised learning techniques** using **Python.**
- Building and optimizing **predictive models** using algorithms like **Linear Regression, Random Forest, Decision Trees, and K-Means Clustering.**
- Collaborating with mentors and domain experts to **analyze project outcomes** and ensure actionable, data-driven insights.
- Preparing **reports and dashboards** using **Power BI and Python visualization libraries** to present key findings.

EDUCATION

- **Bachelor of Science (Mathemetics, Statistics and Computer Science)**
  Parvathaneni Brahmayya College of Arts and Science | *December 2021 – May 2024* | **CGPA: 8.67/10**
- **Class 12th - BIEAP(Maths,Physics and Chemistry)**
  Sri Chaitanya Junior College | *June 2019 – April 2021* | **Percentage: 95.2%**
- **Class 10th - SSC**
  GDET MC HIGH SCHOOL | *June 2013 – March 2019* | **GPA: 9.8/10**

PROJECTS

Comprehensive Analysis of Breast Cancer Progression

Codegnan IT Solutions Pvt. Ltd. (Internship Project) | *September – December 2023*

- Performed statistical and survival analysis on SEER breast cancer data to identify factors influencing disease progression and patient survival.

- Conducted EDA on age, tumor stage, receptor status, and lymph node involvement.
- Built survival models including Mixture Models, Cox PH, and AFT, with parameters optimized using the EM algorithm.
- Evaluated models using AIC, BIC, KS test, and MSE, identifying Weibull and Lognormal Mixture Models as best fits.
- Created visualizations to uncover tumor-size patterns, hormone status effects, and nodal involvement.
- Identified tumor stage, lymph node positivity, and hormone receptor status as key predictors of patient outcomes.

IBM HR Analytics Employee Attrition & Performance

IBM Data Science Project (Self-Driven Project) | *October – November 2025*

- Performed **EDA and ML modeling** on HR data to predict employee attrition using **Logistic Regression, Decision Tree, and Random Forest.**
- Visualized **attrition trends and KPIs via Power BI & Python, achieving ~88% accuracy** and identifying key drivers like income, satisfaction, and overtime.

San Francisco Employee Salary Analysis & Classification

San Francisco Employee Salary Data Science Project (Self-Driven Project) | *November – December 2025*

- Analyzed large-scale employee salary data to identify compensation patterns across departments and job roles.
- Performed data cleaning, feature engineering, and EDA to study Base Pay, Overtime Pay, Benefits, and departmental trends.
- Built a complete ML pipeline using Column Transformer for preprocessing and categorical encoding.
- Trained and compared Random Forest, XGBoost, and Logistic Regression models for classifying employees into compensation tiers.
- Selected Logistic Regression as the final model due to its strong performance and interpretability.
- Conducted feature-importance analysis, highlighting pay components and key departments as major predictors.
- Delivered insights to support salary structure understanding, budgeting decisions, and workforce planning.

ACHIEVEMENTS

- Presented research paper at **Acharya Nagarjuna University** (Mar 2024).
- Consistently achieved **Top 5% academic performance** (CGPA 8.67 / 10).
- Completed **three analytics certifications** across academic and industry domains.

CERTIFICATIONS

PwC Switzerland Power BI Job Simulation – Forage *August 2024*

Completed a job simulation where I strengthened my PowerBI skills to better understand clients and their data visualisation needs.
Demonstrated expertise in data visualization through the creation of Power BI dashboards that effectively conveyed KPIs, showcasing the ability to respond to client requests with well-designed solutions.
Leveraged analytical problem-solving skills to examine HR data, particularly focusing on gender-related KPIs, and identified root causes for gender balance issues at the executive management level, highlighting a commitment to data-driven decision-making

Paper Presentation – "Comprehensive Analysis of Breast Cancer Progression" by Acharya Nagarjuna University *01-02 March 2024*

- Presented a research paper based on an internship project analyzing breast cancer progression using statistical and survival models.

Workshop on Basic Statistics & Data Science Using Python — ICMR-NIRT *October 2023*

- Successfully completed a national-level workshop focused on statistical concepts, Python-based data analysis, and visualization techniques.