

KAMAL KIRAN MAHANNA

kamalkiranmahanna@gmail.com | 7894690700 | [Portfolio Website](#) | [github.com/KamalMahanna](#)

SUMMARY

IBM-certified Data Scientist with a proven track record in designing and deploying data-driven solutions. Leveraged advanced statistical analysis, machine learning (including LSTM and NLP), and automation techniques to drive a 35% increase in user engagement and reduce manual processes by up to 40% during internships and open-source projects. Seeking to bring analytical rigor and innovative problem-solving to a forward-thinking organization.

EXPERIENCE

Open Source Contributor, Resume Matcher | [Website](#) | [GitHub](#) Aug 2024 – Dec 2024

- Automated the creation of missing directories to resolve critical project initialization issues.
- Enhanced Docker-compose functionality by implementing automated file/folder generation, eliminating deployment failures.
- Integrated flake8 with git commit hooks to enforce code quality standards across the project.

IAC-Chatbot, Industry Academia Community - Intern | [Website](#) | [GitHub](#) Jul 2023 – Oct 2023

- Developed an AI-powered chatbot using Google's Dialogflow, increasing user engagement by 35% among a community of over 5,000 members.
- Leveraged natural language processing (NLP) techniques to enhance response accuracy by 25%.
- Reduced support response times by 20% through efficient design and implementation.

Google's Stock Price Prediction, Bharat Intern - Intern | [Website](#) | [GitHub](#) Jul 2023 – Aug 2023

- Engineered a stock price prediction model using LSTM networks, achieving RMSE values of 0.00045 (univariate) and 0.00016 (multivariate).
- Performed exploratory data analysis (EDA) to identify key patterns, enhancing forecasting accuracy by 15%.
- Applied advanced statistical techniques on historical trading data to improve ROI for trading portfolios.

Book Recommendation System, Ai Variant - Intern | [Website](#) | [GitHub](#) Oct 2022 – Apr 2023

- Developed a personalized recommendation system that boosted sales by 12% through targeted suggestions.
- Improved recommendation efficiency by 30% by cleaning and processing over 5,000 missing data entries.
- Integrated content-based and collaborative filtering techniques, resulting in a 10% increase in user retention.

Automated Resume Classification System, Ai Variant - Intern | [Website](#) | [GitHub](#) Oct 2022 – Apr 2023

- Led the development of an NLP-driven resume classification system, reducing manual HR effort by 40%.
- Applied supervised learning techniques to boost resume processing accuracy by 25%.
- Optimized data preprocessing pipelines to improve parsing accuracy by 30%.

PROJECTS

AI Resume Creator | [Website](#) | [GitHub](#) Dec 2024

- Developed an AI-powered tool utilizing the Gemini API to generate professional, ATS-optimized resumes with minimal user input.
- Enabled effortless customization and formatting, significantly reducing resume preparation time and enhancing job market competitiveness.

Ingredient Safety Analyzer | [Website](#) | [GitHub](#) Nov 2024

- Designed a Gemini AI-powered application to analyze product ingredient lists, providing detailed safety assessments and identifying potential allergens and harmful chemicals.
- Streamlined the evaluation process by supporting both image uploads and text inputs, empowering users to make informed decisions about product safety.

AI Career Helper | [Website](#) | [GitHub](#)

Oct 2024

- Created a comprehensive AI-driven platform offering tools such as ATS scoring, text summarization, interview preparation, and personalized career guidance.
- Integrated multiple functionalities to streamline the job search process and deliver actionable insights for professional growth.

EDUCATION

B.Tech from Biju Patnaik University of Technology

Nov 2023

- CGPA: 8.65/10

CSHE (12th) from Fakir Mohan University

Nov 2023

- CGPA: 67.5

TECHNICAL SKILLS

- **Programming:** Python (NumPy, Pandas, Matplotlib, Seaborn, Plotly, TensorFlow, Keras, scikit-learn)
- **Data Analysis:** Statistical Analysis, Data Visualization, Data Preprocessing, Exploratory Data Analysis (EDA)
- **Machine Learning:** Supervised & Unsupervised Learning, LSTM Networks, Natural Language Processing (NLP), Classification (Decision Trees, SVM, Random Forests), Clustering (K-means, Hierarchical)
- **Tools & Platforms:** MySQL, Power BI, Git & GitHub, Microsoft Excel, Docker
- **Soft Skills:** Effective Communication, Problem-Solving, Critical Thinking

CERTIFICATIONS

- Data Science Certification from ExcelR
- Machine Learning Certification from **IBM**
- 5-Star Python Coder from **HackerRank**

ACHIEVEMENTS

- Awarded "Unique and Best Data Scientist" for independently implementing null value imputation via web scraping, setting a new standard for data quality and efficiency during the Ai Variant internship.