

Bharathkumar M S

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GitHub profile: [Link](#)

Portfolio: [Link](#)

Medium : [Link](#)

Hackerrank: [Link](#)



CAREER OBJECTIVE

A highly motivated and analytical individual with a passion for data science and machine learning with good knowledge of gathering, cleaning, organizing and analyzing data using Python along with good understanding of Statistics, SQL, Machine Learning Algorithms. Seeking a challenging role as a data scientist to utilize my skills and knowledge in solving real-world problems.

ACADEMIC QUALIFICATION

Qualification	Institution	University/Board	Year of Passing	Percentage
B.E (Mechanical)	Malnad College of Engineering, Hassan (Autonomous)	VTU	2022	8.29 CGPA
2 nd PUC (PCMB)	Anikethana PU college, Mandya	PU Board	2018	87.5
SSLC	Morarji Desai Residential School, Mandya	KSEEB	2016	89.4

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL.
- **Python Libraries and Frameworks:** Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, NLTK, Tensorflow, Keras.
- **Machine Learning:** Linear regression, Logistic regression, Decision Tree, Random Forest, SVM, K-means clustering, KNN, Naive Bayes, PCA, Gradient boosting, XG Boosting, Recommendation Systems, EDA, Pre-processing, Feature Engineering, Model building, Deployment.
- **Deep Learning:** Artificial Neural Network(ANN), Convolution Neural Network(CNN), Computer vision, NLP, RNN, LSTM, Encoder, Decoder, GRU, BOW, TFIDF, Embedding, Text Preprocessing.
- **Mathematics:** Statistics, Probability, Linear algebra, Calculus.
- **Web Development:** Flask, Streamlit, HTML.
- **Databases:** MySQL, MongoDB.
- **Tools & Technologies:** Power BI, AWS, Docker, MLOps, MLflow, CICD, Github Actions, Git & Github.
- **IDE:** PyCharm, Visual Studio, Jupyter Notebook, Google COLAB.

EXPERIENCE

DATA SCIENCE INTERN at Innomatics Research Labs [\(Link\)](#) [02/2023– 06/2023]

- Worked on some tasks related to python and Flask.
- Worked on some machine learning projects.
- Worked on Plant Disease Classification Project.

DATA SCIENCE INTERN at iNeuron.ai [\(Link\)](#) [10/2022 – 02/2023]

- Worked with a variety of tools and techniques, including Python, SQL, Pandas, Numpy, Matplotlib and scikit-learn.
- Analyse the data by visualisation using seaborn and matplotlib.
- Worked on End to End project on flight fare prediction.

DATA SCIENCE INTERN at Exposys Data Labs [\(Link\)](#) [12/2021 - 02/2022]

- Worked on various data cleaning and data preprocessing techniques.
- Performed Data cleaning, Exploratory Data analysis and Feature engineering Techniques.
- Worked on the Healthcare Diabetic Prediction Project.

PROJECTS

FLIGHT FARE PREDICTION [web app [Link](#)]

- Developed Flight Fare Prediction system for accurate airfare estimation.
- Mastered data manipulation with Pandas, ensuring robust dataset management.
- Achieved 85% accuracy using machine learning algorithms like XGBoost.
- Implemented Docker for consistent project deployment across environments.
- Utilized MLflow for model tracking and management, enabling version control and reproducibility.
- Created a user-friendly web application with Flask and Streamlit for real-time fare predictions.

SMS SPAM CLASSIFIER [web app [Link](#)]

- Developed an SMS Spam Classifier for automatic identification and filtering of spam messages.
- Gathered a diverse dataset comprising spam and ham SMS messages for comprehensive training and evaluation.
- Conducted text cleaning, tokenization, and stop words removal as part of data preprocessing.
- Explored various machine learning algorithms such as Naive Bayes and Logistic Regression for effective spam classification.
- Designed and deployed a user-friendly web application using Streamlit for real-time spam predictions.

AGRICULTURE PLANT DISEASE CLASSIFIER [web app [Link](#)]

- Created a CNN-based Plant Disease Classifier for early detection and protection of crops.
- Collected and preprocessed a diverse dataset, employing resizing, normalization, and augmentation for model training.
- Implemented deep learning architecture with TensorFlow and Keras, incorporating transfer learning for enhanced classification performance.
- Successfully trained the model, achieving reliable disease classification results with metrics like accuracy, precision, recall, and F1-score.
- Deployed an interactive web application using Streamlit, allowing users to upload plant images and receive instant disease classification results.

CERTIFICATIONS

- **DATA SCIENCE CERTIFICATION** by Besant Technologies [[Link](#)]
- **PYTHON CERTIFICATION** by Besant Technologies [[Link](#)]
- **FULL STACK DATA SCIENCE COURSE** by Ineuron.ai [[Link](#)]
- **INTRODUCTION TO MACHINE LEARNING** by Coursera [[Link](#)]
- **DATA SCIENCE WITH PYTHON** by simplilearn [[Link](#)]

EXTRACURRICULAR ACTIVITIES

- NSS volunteer

PERSONAL SKILLS

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|---|--|
| • Motivating and goal oriented | • Good analytical and logical skills |
| • Willingness to learn and ability to be a good team player | • Having leadership quality |
| • Quick Learner | • Having good convincing power |
| • Problem Solving | • Ability to tackle critical situation |

LANGUAGES

English

Professional Working Proficiency

Kannada

Native or Bilingual Proficiency

HOBBIES

Listening to music	Watching movies	Playing cricket	Cycling
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