Mahammad Ashad B

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Mahammad Ashad | Mr-Ashad | Krishnarajapuram, Bengaluru

Profile

Detail-oriented aspiring machine learning engineer with a strong foundation in Python and Machine Learning and Computer Vision. Worked with diverse projects to optimize solutions and enhance performance. Passionate about contributing to innovative solutions in the field of ML and Artificial Intelligence

Education

- **Yenepoya Institute of Arts, Science and Commerce (NAAC A+ Grade)** *10-2021 - 05-2024*
  Bachelors of Computer Application Mangaluru, India
  - CGPA: 8.2/10
- **St Philomena Pre-University College** *2019-2021*
  *Pre-University Education**(Physics, Chemistry, Mathematics, Computer Science)*** Puttur, India
  - CGPA: 7.6/10

Experience

- **CodeLab Systems** *10-2022 - 11-2022*
  Machine Learning Intern Mangaluru, India
  - Achieved up to 97% accuracy by applying ML algorithms such as **Logistic Regression** & **K-Nearest Neighbors**.
  - Performed **data preprocessing** and label encoding to optimize dataset readiness and ensure effective training.
  - Implemented cross-validation techniques to improve model performance across unseen data.
  - Conducted data analysis using **Pandas** and **Matplotlib** to extract insights and visualize data.
- **Kaggle** *8-2024 - Present*
  Contributor Self-Employed,Remote
  - Developed over **15 notebooks**, showcasing advanced analytical skills and innovative solutions.
  - Completed **3 courses**, enhancing technical knowledge and expertise in **Machine Learning**.
  - **Created dataset** to share valuable insights and resources.

Projects

- **Mental Health Classification** *8-2024 - 9-2024*
  Tools: [BERT, DeepSpeed, Pandas, sklearn, Pytorch] [Kaggle Link]
  - Designed and implemented a **BERT-based** classification model for effectively assessing mental health.
  - Implemented **DeepSpeed** for **distributed training**, achieving efficient training time.
  - Created **Pytorch Dataset**, ensuring efficient data loading
  - Implemented **hyperparameter tuning** to reduce training time by **40 percent**
- **Symptom Insight** *04-2024*
  Tools: [SVM, TF-IDF, NLTK, Pandas, React, Flask] [Github Repository]
  - Developed A full-stack web app with React js and Flask, providing real-time disease predictions
  - Implemented **Natural Language Processing** using **NLTK**and TFIDF Vectorization
  - Implemented **Support Vector Machine(SVM)** algorithm achieveing higher accuracy
  - Achieved high **f1 score of 0.96 (96%)** by evaluating various algorithms like (KNN).

Skills

- **Programming Languages:** Python,C++,Java
- **Web Technologies:** Flask, React, HTML, CSS
- **Machine Learning & Data Science:** BERT, DeepSpeed, Natural Language Processing(NLP), Fine Tuning, Hyperparameter Tuning, Pandas, Matplotlib, Spacy, NLTK, sklearn
- **DevOps & Version Control:** Github, Vercel

Certifications

- **Intermediate Machine Learning [Kaggle]-** Certification Link *07-2024*
- **Introduction to Machine Learning[Kaggle]-** Certification Link *07-2024*
- **Introduction to Programming using Python[Harvard University]-** Certification Link *10-2024*
- **Computer Vision [Kaggle]-** Certification Link *10-2024*

Additional Information

Languages: English(Fluent), Arabic(Reading and Writing), Hindi (Working Proficiency)