PRATHAMESH P DESSAI

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EXPERIENCE

DISHAAI EdTech Solutions Pvt. Ltd — **Bangalore, India**
Data Analytics Intern — ***Apr. 2024 - Jun. 2024***

- Contributed to extracting actionable insights from student data by performing comprehensive data analysis. Managed missing values, manipulated datasets for better accuracy, and created interactive visual dashboards to visualize key trends and patterns. Delivered these insights through data-driven presentations to stakeholders, enabling informed decision-making and enhancing overall project outcomes.
- Revamp the website's front end.

Reva University — **Bangalore, India**
Junior Research Fellowship — ***Sept. 2023 - Mar. 2024***

- Collaborated with PhD students and government institutions on agricultural research projects, developing an end-user interface to assist farmers in diagnosing crop diseases.
- Developed an image classification model to identify crop diseases and severity, alongside evaluating various machine learning models for performance.
- Focused extensively on data preprocessing to improve model accuracy and optimize results.

EDUCATION

Reva University — **Bangalore, India**
Master of Science in Data Science *GPA: 8.93 / 10* — ***Sept. 2022 - Sept. 2024***

VVM's Shree Damodar College of Commerce and Economics — **Goa, India**
Bachelor of Computer Applications *GPA: 9.03 / 10* — ***Jun 2019 - Jun. 2022***

PUBLICATIONS

1. **Enhancing Integrity of Toll Gates: FastTag Fraud Detection**
   Prathamesh Pradeep Dessai, Nikhil B, Dr. S. Senthil
   Int. J. Advanced Networking and Applications

2. **Gender-Based Suicide Data Analysis**
   Ashika Devi R, Noorain Fathima, Prathamesh Pradeep Dessai
   ICICTA 2023

PROJECTS

1. **FAST Tag Fraud Detection**

- Built a Machine learning model based Fast tag fraud classifier with the help of algorithms - Logistic Regression, SGD Classifier, SVC, Gradient Boosting Classifier, KNeighbors Classifier based on the synthetic data manually created.

2. **Brain Tumor Progression: Insights from Stage-based Analysis & Recurrence Pattern**

- Developed a machine learning model to predict brain tumor recurrence based on patient demographics, tumor characteristics, and treatment details, aiming to assist in personalized treatment strategies.
- Machine learning algorithms such as Random Forest, XGBoost, and Gradient Boosting to achieve high prediction accuracy. The model was integrated into a web application using Stream lit for real-time predictions.

3. **Web Scraping**

- IMDb Top 2000 Movies and analysis based on rating whether it is good, poor, or excellent.

PROGRAMMING SKILLS

Management Skills, Creativity, Leadership
Languages: Python, SQL
Tools: GitHub, Kaggle, AI Tools, Tableau, Power BI, MS Excel
Framework: TensorFlow, PyTorch, Sklearn, Stream lit.
Libraries: NumPy, Pandas, Matplotlib, Skimpy, Lazy Predict, Seaborn, Classification, Regression, Time series, GenAI.

ACHIEVEMENTS

1. Best All-Round Performance at BCA (2019-2022)
2. Tech - Wizard student of the year (2021-2022)
3. Best Tech performer of the year (2021-2022)
4. 1st Rank TY BCA 2022 (91.1%)
5. Highest Scoring marks TY BCA 2022 (911/1000)
6. 3rd Rank at BCA, with FGPA of 9.03 (Sem 1 to Sem 6)
7. Kaggle Contributor

IMMERSION PROGRAM MALAYSIA CERTIFICATIONS — *Jun. 2023 - Jul. 2023*

Employability skills for industry 4.0 • Leadership skills and culture immersion • Cybersecurity: A Holistic approach integrating information security management system • Introduction to artificial intelligence and machine learning • Health & safety - IT Industry Requirements • Workshop Series - Professional Ethics.