

DHEERAJ MERUGU

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Skills

Programming: Python, HTML, CSS, JavaScript, SQL, Java.

Tools: Visual Studio, Pycharm, Git&Github, Tkinter, SQLite, Excel, PowerPoint, Canva.

Technologies: Pandas, Numpy, Flask, Scikit-learn, Streamlit, Machine Learning, Deep Learning, Linux.

Experience

Titan Company Limited

Senior Software Engineer

June 2023 – July 2024

Bengaluru, India

- Engineered a Python-based automation tool using Pandas and Tkinter to streamline order tracking and vendor communication, reducing dispatch times by 97% and manual export efforts by 70%.
- Developed a centralized export interface with user-specific access controls and automated email reporting, boosting sourcing team efficiency by 80% and cutting reporting time by 60%.
- Collaborated with sourcing and IT teams to align automation with workflows, increasing adoption and reducing manual overrides by 90%, while decreasing file retrieval errors by 65%.

SmartBridge Educational Services Pvt. Ltd.

Machine Learning & Deep Learning Internship

February 2022 – April 2022

Remote

- Spearheaded the development of a Book Recommendation System using IBM Watson, leveraging natural language processing and machine learning algorithms, resulting in user engagement increasing by 40% within the first month of deployment.
- Engineered a sentiment-driven recommendation engine using IBM Watson NLP APIs and Python, integrating real-time user feedback to improve accuracy by 35% and reduce bounce rates by 25%.
- Achieved a Skill Index of 9/10 and a Career Readiness Factor (CRF) score of 26/28, reflecting proficiency in executing projects independently and applying analytical strategies to real-world tasks.

Education

KL University

Master of Technology in Computer Science And Engineering - CGPA: 9.25/10.0

August 2024 – Present

Vaddeswaram, India

Relevant Courses: Artificial Neural Networks, Advanced Operating Systems, Deep Learning, Agile Based Software Engineering, Big Data Optimization Techniques.

Seshadri Rao Gudlavalleru Engineering College

Bachelor of Technology in Computer Science And Engineering - CGPA: 7.71/10.0

July 2019 – May 2023

Gudlavalleru, India

Relevant Courses: Data Structures and Algorithms, Python, Database Management, Operating System

Projects

Iris Species Prediction App

Personal Project – During M.Tech CSE (AI & DS)

March 2025 – April 2025

Vaddeswaram, India

- Created a web application using Streamlit and scikit-learn to classify Iris flower species based on user-provided measurements; integrated a RandomForestClassifier for accurate real-time predictions through an intuitive user interface.
- Achieved 98% model accuracy by fine-tuning hyperparameters and applying cross-validation techniques on the Iris dataset.
- Implemented interactive UI features such as sliders and live prediction display, enhancing usability and increasing engagement during academic demos by 60%.
- Deployed the app locally and tested it with 100+ test cases to ensure robustness, reducing prediction errors to under 2%.

Vendor Email Automation GUI

Senior Software Engineer, Titan Company Limited

October 2023 – December 2023

Bengaluru, India

- Designed an automated communication tool using Tkinter, SMTP, and Pandas, which drastically reduced vendor email dispatch time by 97% for released Tanishq orders and helped eliminate common manual errors in the process.
- Enabled batch email triggering with real-time status logs and error tracking, improving dispatch transparency and reducing failed email attempts by 85%.

Certifications

Master Git and GitHub: Beginner to Expert

August 2023

Microsoft Certified: Azure Fundamentals

November 2021