

PRUDHVI KOLLA

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Summary

Dedicated and motivated Engineering Data Science graduate seeking a challenging position in a professional, work-driven environment. Eager to apply my knowledge and skills to contribute to organizational goals. Experienced in Full Stack Development, Data Analysis, and Machine Learning.

Education

University of Houston CGPA: (4/4)

August 2023 – May 2025 (Expected)

Master of Science in Engineering Data Science

Houston, Texas

Vellore Institute of Technology | CGPA: (8.61/10)

July 2017 – May 2022

Masters of Technology in Integrated Software Engineering

Chennai, India

Experience

Broadridge Financial Solutions

July 2022 – August 2023

Senior Member Technical

Bangalore, India

- Orchestrated seamless integration of Core WebAPI code with Angular, enhancing user interfaces and accelerating page loading speed by 25%. Resulted in a 30% increase in user engagement and improved user satisfaction..
- Upgraded cross-browser functionality, resolving compatibility issues across Edge, Chrome, and Firefox, resulting in a 20% reduction in reported user issues and a 3.29% increase in overall usability metrics.
- Orchestrated the transition of applications from ASP.NET to .NET Core WebAPI with Angular, resulting in a tangible reduction of 25% in processing time and significantly streamlining maintenance efforts for enhanced scalability.

Broadridge Financial Solutions

September 2021 – May 2022

Contract Consultant

Bangalore, India

- Implemented intricate solutions as a Full Stack Developer, punctilious addressing discrepancies in print letter files for the Daily outbound reports, ensuring accuracy and compliance with organizational standards..
- Rectified errors in Transtar Lookup, resulting in a substantial enhancement in data accuracy by 0.2% diligently populating Shareholder details based on Account numbers, significantly elevating data accessibility for internal stakeholders
- Streamlined PrintLetter service, reducing print time from 3 days to 1 day, resulting in a 5% increase in operational efficiency.

Ed-Fox Technologies

June 2020 – August 2020

Summer Intern

Chennai, India

- Developed interactive patient management modules, login systems, pharmacy billing, and doctor portals using Bootstrap, HTML, and CSS; streamlined operations, reducing administrative tasks by 20% and improving user experience.
- Enhanced user engagement by 20% through innovative CSS enhancements, optimizing the application's visual appeal and overall user experience.

Projects

Plant Seedling Using Color Segmentation

- Engineered a sophisticated system employing Image Processing and AI to identify and categorize unwanted vegetation within agricultural landscapes.
- Incorporated a specialized algorithm to enhance the accuracy of initial data processing, significantly improving the system's precision in detecting undesired plants.
- Enhanced accuracy from 95% to 98% by integrating SVM and CNN, utilizing Performance Detection with IOU.

E-commerce Web Scraping and Review Aggregation

- Crafted a machine learning-powered web scraping system for user-friendly access to product reviews.
- Utilized ML algorithms to extract data from diverse e-commerce platforms based on user-specified products.
- Enabled seamless mobile accessibility by hosting the application on Heroku.

Statistical Analysis on COVID-19 Outbreak

- Developed a predictive model for COVID-19 outbreaks, providing visualization of global impact.
- Engineered a custom Random Forest model to recognize country-wise effects.
- Analyzed mortality rates and recovery ratios using logarithmic scales, comparing with pre-trained models for accuracy assessment.

Technical Skills

Programming Languages: Python, SQL, spark,.net programming, Asp.net, CoreWebApi, MVC, Angular.

Database: Mongo DB, Microsoft SQL, Oracle.

Tools: PowerBI, Tableau, Azure DataBricks, Excel, Git, Matlab, PostMan, Teamcity.

Certifications

Linux Programming : Cisco certified.

Statistics and Machine Learning Specialization: Statistics and Machine Learning Specialization.

Full stack datascience developer: ineuron.ai.