

PRUDHVI KOLLA

☎ 832-382-5891 ✉ kprudhvichowdary82@gmail.com 🔗 <https://www.linkedin.com/in/kolla-prudhvi-b15873159/>

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: (3.667/4)

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

- Spearheaded the seamless integration of Core WebAPI code with Angular as Frontend, optimizing functionality and user experience, ensuring responsive and intuitive interfaces for end-users.
- Engineered the successful upgrade of IWS Transfer Agent, transforming it from Internet Explorer functionality to Cross Browser Compatibility, enhancing accessibility and usability across various platforms.
- Pioneered the migration of applications from the ASP.NET framework to .NET Core WebAPI with Angular, utilizing cutting-edge technologies to enhance efficiency and maintainability.

Broadridge Financial Solutions

September 2021 – May 2022

Contract Consultant

Bangalore, India

- Implemented intricate solutions as a Full Stack Developer, meticulously addressing discrepancies in print letter files for the Daily outbound reports, ensuring accuracy and compliance with organizational standards.
- Revamped and optimized the Transtar Lookup functionality, meticulously populating Shareholder details for a given Account number, enhancing data precision and accessibility for internal stakeholders.
- Optimized PrintLetter service, ensuring seamless printing of shareholder security letters from day-end to next business day, enhancing operational efficiency and timeliness.

Ed-Fox Technologies

June 2020 – August 2020

Summer Intern

Chennai, India

- Led front-end development efforts, utilizing Bootstrap, HTML, and CSS to create interactive modules for patient management, login systems, pharmacy billing, and doctor portals.
- 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

- Developed an advanced system utilizing Image Processing and Artificial Intelligence to detect unwanted plants in crops.
- Implemented the Selective Search algorithm for pre-processing, achieving accuracy enhancement.
- Enhanced accuracy from 95% to 98% by integrating SVM and CNN, utilizing Performance Detection with IOU.

E-commerce Web Scraping and Review Aggregation

- Engineered a machine learning-based web scraping system, simplifying end-user access to product reviews.
- Implemented ML algorithms to scrape e-commerce sites based on user-input products.
- Hosted the application on Heroku, enabling seamless mobile access and usage.

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.