PRAGATI K YADAHALLI

CONTACT

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- Bangalore, Karnataka, India

PROFILE

A skilled and dynamic IT professional with a passion for **IT** innovation, Full Stack, and **Agile** project management. Proficient in developing solutions using Scrum, and a versatile range of **programming** languages and technologies. Excels in **data analysis**, **full stack web development**. Seeking opportunities to leverage expertise and drive **digital transformation** in the IT industry.

SKILLS

Core Java, Python, C language, SQL

Web Development - HTML, CSS, JS

Database Management System

Data Science and Machine Learning

EDUCATION

Bachelor of Engineering (BE)

Jain Institute of Technology

Visvesvaraya Technological University

2021-2024

Computer Science and Engineering
CGPA: 8.5

Pre-University (PU)

Sri Basaveshwara PU College

2019-2020

Percentage: 80%

10th or High School

OM National Public School (CBSE)

2017-2018

Percentage: 70%

LANGUAGES

English

Kannada

Hindi

PROJECTS

Car Rental Management System: HTML, CSS, JavaScript, PhpScript, MySQL

I led the development of a **Car Rental Management System (CRMS)** mini project using DBMS, aimed at optimizing rental operations. The system featured customer modules for browsing vehicles, making reservations, and managing rental histories, complemented by administrative functionalities for adding vehicles, overseeing bookings, and generating reports.

GST Billing Mobile Application: Java, XML,Software Development Kit, Database

I developed a GST Billing mobile application leveraging Java and XML for frontend design and SDK integration. This project utilized a backend database to manage invoice data, ensuring **accurate billing** and GST calculations. Key features included **user-friendly interfaces** for generating invoices, managing inventory, and payments.

Stunt Plane Simulation: Microsoft visual C++, Open GL

I designed and developed a Computer Graphics project centered around a Stunt Plane simulation using C and OpenGL, utilizing mouse and keyboard inputs for user interaction. This project featured a dynamic 3D environment with realistic flight physics, terrain rendering, and interactive controls via keyboard for flight maneuvers

MAIN PROJECT

Air Quality Monitoring System   Python, IOT, Machine Learning

Visionary leadership in developing a cutting-edge Air Quality Monitoring System, seamlessly integrating specialized sensors, communication modules, and high-performance servers. Utilized leading-edge technologies such as OpenAQ, Airly, and BreezoMeter, coupled with machine learning models like TensorFlow and PyTorch, to achieve Accurate AQI Mapping and real-time data analytics. The project's focus on Flexibility and Adaptability ensures a dynamic and responsive monitoring solution.

INTERNSHIP

Abeyaantrix Softlabs

I have joined Abeyaantrix Soft Lab as an intern in the domain of **Data Science and Machine Learning with Python.** In this role, I have actively involved in working on various projects. I have utilized the **JIRA software** tool, which follows working principles that aid in project management and collaboration.

ACHIEVEMENTS

- Participated in a state level "**ALGORITH**" Competition focused on the design and analysis of algorithms.
- Participated in "**EMERGE**" competition focused on the App Exhibition.
- Participated in "**IDEATHON**" for representing a new technology.
- **International Conference Best Paper Award:** Honored with the Best Paper Award at the International Conference on Intelligent Mobility Systems 2024, held at Sahyadri College of Engineering & Management, for the research titled "Development of an Air Quality Monitoring System: Design, Implementation, and Evaluation."

CERTIFICATIONS

- Internshala Web Development Training Certificate
- Coursera Google Certificate on Data Analysis
- Hackerrank Java Certificate
- Hackerrank SQL Certificate
- LinkedIn Data structures in Java Certificate
- Certification in National Engineering Olympiad 5.0