Pradeep Saravanan

Eager computer science student with a passion for learning and staying up-to-date with the latest technologies.

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Portfolio: Call Me Pradeep

EXPERIENCE

Freelance Web Designer

2020 - PRESENT

Completed various web development projects for clients, including a forensic evidence management system with fingerprint matching and an algorithm visualization using front-end technologies

Demonstrated strong problem-solving and communication skills while working independently and meeting project deadlines

Conference Presentation

2022

Presented a research paper on breast cancer classification at the ICRIRCMS-2022 - Recent Innovations in Robotics, Construction and Mechanical Sciences

Campus Leader, techlearn.live

DEC 2021 - JAN 2022

Led a team of campus ambassadors in promoting and organizing events for the company, Developed and executed marketing strategies to increase brand awareness on ampus, Collaborated with company executives to plan and implement programs and initiatives, Utilized problem-solving and leadership skills to ensure successful execution of all events and initiatives

EDUCATION

Bachelor of Engineering in Computer Science

JAN 2020 - (Expected 2024)

Government College of Engineering, Bargur, Krishnagiri, Tamil Nadu.

Affiliated to Anna University.

HSE – 12th

JUN 2017 - MAR 2019

Government Higher Secondary School, Mallupatti.

SKILLS

Programming Languages:
C ,Java, Python, Web Design, JavaScript, PHP, SQL.

Data structures and algorithms

Web development:

HTML, CSS, JavaScript, jQuery, responsive design, ReactJS, NodeJS, ExpressJS, Dijango, Mongoose.

Project management and teamwork

Certifications

IBM FullStack Software Engineer Certification (2023)

Completed coursework and hands-on projects covering programming concepts, data structures, software design principles, working of IBM cloud, and cloud tech tools.

Full Stack Web Developer by Udemy(2023)

Completed coursework and hands-on projects covering programming concepts, and using frontend and backend

Percentage – 86%.

SSLC – 10th

JUN 2016 - MAR 2017

Government Higher Secondary School, Mallupatti.

Percentage – 94.2%.

PROJECTS

Forensic Evidence Management System with Biometric Authentication

It's an Online Criminal Investigation System which the admin can assign cases to respected officers and once they collect the evidence they can match with the database, especially fingerprints it can be checked using the implemented tech we have implemented.

Used Languages: HTML, CSS, JS, PHP, SQL.

Cryptographic Banking System

It's an Online Banking Application used to do banking using various Secure Crypto Algorithms like AES Advanced Encryption Standards.

Used Languages: Python, Google Authenticator.

Algorithm Visualization Web App

Developed a web application that allows users to visualize different algorithms through interactive animations and explanations.

Used Languages: : JavaScript, HTML, CSS, and a JavaScript library for algorithm visualization(d3.js).

Breast Cancer Classification Using Machine Learning

A machine learning model was developed to classify breast cancer as benign or malignant based on patient data using Python and the scikit–learn library. The model achieved an accuracy of X% on the test dataset. Various classification algorithms, feature selection, and feature engineering techniques were used. The model was deployed using Flask and integrated with a web application.

Weather App Using Node and ExpressJS

Developed weather app using Node.js, Express.js, HTML, CSS, JavaScript. Utilized API calls for current weather data, included features like temperature, humidity and 5–day forecast. Deployed on a web server for public access.

tools.

Agile Methodology Virtual Experience by Cognizant (2023)

Trained in Agile development methodologies Scrum, Kanban, and Lean. Acquired skills in Agile project management and backlog management. Improved ability to adapt to changing requirements and feedback.

WORKSHOP CERTIFICATIONS

MASAI SCHOOL CODING WORKSHOP

In this I have learned the basics of Web Development and Build an interactive SUDOKU game which has the clue features.

UI DEVELOPMENT WORKSHOP BY HTML- HINTS.

In this workshop I have learned about various Front-end tools like HTML, CSS, Javascript, Bootstrap, React JS and Vue JS and build different type of Projects like Weather app using React and Vue API's, Personal Portfolio's, Sign in and Sign up Authentication web apps.

LANGUAGES

English, Tamil.