

SIVASURIYAN MOHAN

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WORK EXPERIENCE

Python Programming Intern | YBI Foundation | Remote

June - July 2024

- Developed a bank churn prediction model using SVM, Logistic Regression, Random Forest, and Gradient Boosting, achieving 85% accuracy and reducing customer churn by 10%.
- Collected and Cleaned datasets using Python and Pandas, ensuring high-quality data for model training and improving prediction accuracy by 15%.
- Designed a user-friendly web interface with Flask, facilitating easy access for bank employees and enhancing user efficiency by 20%.

PROJECTS

Health chain

Dec 2022 - Apr 2023

- Launched a secure, blockchain-powered website for patient health records, ensuring enhanced data protection, transparency, cut unauthorized access attempts by 50% and boosted patient trust and satisfaction rates by 30%.
 - Designed a front-end using React.js for user interaction; integrated secure data transactions with Ethereum test net and MetaMask, handling transactions monthly.
- Visit – Healthchain.com

Diabetes And Heart Disease Prediction

Nov 2021 - Feb 2022

- Engineered a predictive analytics web application using the Django framework, increasing forecasting accuracy by 25% and reducing manual data processing time by 40%, enhancing decision-making efficiency for the operations team.
- This project Selected in top 5 out of 164 projects and awarded with memento and prize money at event Innovators Day 2022 A national level project contest in SMVEC

SKILLS

- Programming Languages: Python (Intermediate), Java (Intermediate), JavaScript (Intermediate)
- Database: MongoDB (Intermediate), MySQL (Intermediate)
- Framework/ Library: React JS (Advanced), Django (Intermediate), React Native (Beginner)
- Tools & Technologies: VS Code, Blockchain

EDUCATION

- CK College of Engineering & Technology
Bachelor of Engineering [BE] (Computer Science and Engineering) CGPA 7.88
Nov 2020 - May 2024
CUD, TN
- Sri Valli Ammal Matric Higher Secondary
Higher Secondary Certificate (HSC) - 68.88%
Jul 2019 - May 2020
CUD, TN

PROFESSIONAL EXPERIENCE

School Pupil Leader

Apr 2019 - May 2020

- Chaired weekly leadership meetings, implementing new policies that improved student engagement by 30% and reduced event planning time by 20 hours per month.

App and Web Dev Club Coordinator

March 2022 - May 2024

- Directed a team of 15 peers in organizing institution-wide events, resulting in a 25% increase in student participation and raising 2,000 for charity initiatives over the academic year

WORKSHOPS & TRAINING

- Completed a rigorous AATOMAZ-led workshop on blockchain technology, reducing transaction errors by 20% and streamlining processing time by 30%.
- Mastered TECHVOLT's hands-on training, using cutting-edge tools to accelerate feature deployment by 20% through practical exercises.
- Completed an intensive web development program by CODEBIND, mastering JavaScript and creating 10 responsive websites, boosting user retention by 30%.

CERTIFICATION

- [Practical Next.js & React - Build A Real WebApp with Next.js](#) - Udemy
- [Full Stack with Python Programming](#) - GUVI
- [Blockchain basics](#) - Great Learning
- [Cloud Computing](#) - NPTEL
- [Cisco Certified Network Professional](#) – Cisco
- [Node.js](#) -Infosys Springboard
- [MongoDB Essentials - A Complete MongoDB Guide](#) - Infosys Springboard