Swayansu S Baral

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LinkedIn-Swayansu Baral | github | leetcode

EDUCATION

THAPAR INSTITUTE OF ENGINEERING AND TECH.
B.E. IN Electronics and Computer
June 2024(expected) | Patiala, Punjab
Cum. GPA: 8.36/ 10

SAI-INTERNATIONAL SCHOOL
Grad. June 2020| Bhubaneswar, India

COURSEWORK

UNDERGRADUATE

Object Oriented Programming
Machine Learning
Data Structure and Algorithms
Computer Architecture
Cloud Computing
Computer and Communication Networks
Digital System Design
Deep Learning
Operating Systems
Database Management Systems
Introduction to Cyber Security

SKILLS

DOMAINS
• Cross Platform App Development
• Web Development

PROGRAMMING-LANGUAGES
C++ • C • Java • Pyhton • JavaScript • CSS • Dart

FRAMEWORKS
AS3 • iOS • Android • MySQL • ReactJS • Flutter
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DEVELOPER-TOOLS
• VSCode • Xcode • Andriod Studio
• PyCharm • Git

EXPERIENCE

INDRAPRASTHA IT CELL |Frontend Web Developer Intern
June 2021 - Sept 2021 | New Delhi, India

- Developed using HTML, CSS and JavaScript to develop features for both mobile and desktop platforms.
- Advised internal users on web service capabilities, principles and protocols.
- Designed and updated layouts to meet usability and performance requirements.
- Advocated for well-tested and documented, high quality code.

VISHWA JEEVAN SEVA SANGHA (N.G.O) | Student Ambassador Intern
Sept 2020 – April 2021 | Bhubaneswar, Odisha

- Engaged in professional networking to maintain strong relationships with communications and media professionals to drive partnerships and effective dissemination of mass communications.
- Prepared for public relations presentations and plans by gathering information on business objectives, vision, brand strategy, competition and industry trends.
- Studied objectives, promotional policies or needs of organizations to develop public relations strategies influencing public opinion or promoting ideas.

PROJECTS

COUNTER-DRONE TECHNOLOGY: A DRONE-BASED SYSTEM FOR DETECTING AND NEUTRALIZING UNMANNED AERIAL VEHICLES || ML , GNU-OCTAVE
Ongoing
• The goal of the project is to create a system that uses millimeter-wave automobile radar sensors to locate, identify, and classify unmanned aircraft systems (UAS) or drones. In order to enable reliable and accurate drone identification and localization in a variety of settings, the system makes use of the benefits of radar technology, notably in the millimeter-wave frequency band.

CHRONIC DISEASES PREDICTION A.I. || ML , PYTHON
Jan 2023 – Feb 2023
VEDANT.AI is a healthcare platform that utilizes machine models to generate risk assessment for patients .The models are trained on large datasets and optimized for accuracy to provide reliable results for healthcare professional(Link)

NAVIGATION SYSTEM USING A* ALGORITHM || A.I. , JAVA
March 2022 – June 2022
The goal of this project was to implement a Taxi Navigation System using A star search algorithm. This system will take as input the location (coordinates) of a client and it will output the best route for each of the taxis. In addition, it will inform the taxi driver that is closest to the client and show him all the alternative best routes to reach him(Link)

ACHIEVEMENTS

Stood First in CODEUTSAVA 6.0 A Hackathon Conducted by NIT RAIPUR,Raipur
Solved over 600 problems on various platforms like Leetcode , Codechef , Codeforces , Hackerrank.