S SHRADDHA

Aspiring Software Engineer

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EXPERIENCE

Solution Delivery Analyst

Deloitte US India

Nov 2020 – Present Bangalore, India

Software Development Intern

Nivetti Systems Pvt. Ltd.

Jan 2020 – Feb 2020 Bangalore, India

- Built a platform-independent, CLI application to parse and validate configuration settings of network devices from scratch in C++
- Proposed an efficient data structure to build the parser and optimize the validation process.
- Modularized application code and implemented clean coding practices.
- Tech stack: C++, Libarchive

Member

Cyber Security Research, PES University

Sept 2018 – Dec 2018 Bangalore, India

- Worked on CSRF attacks, SQL injections and with tools such as Nmap, Wireshark, DVWA.
- Volunteered to conduct a workshop on SQL injection at the ICACC conference 2018.

EDUCATION

Bachelor of Engineering, Computer Science

PES Institute of Technology

Aug 2016 – Aug 2020

Pre-University, PCMB

Christ Junior College

June 2014 – June 2016

ACHIEVEMENTS

- Published a paper at the **IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT) 2020** on July 4, 2020, titled *HyperIoT: Securing Transactions in IoT through Private, Permissioned Blockchain*
- Placed in top 4 in BMSCE Hackathon 2019, judged by the Intel Hyperledger team.
- Secured rank 2897 (top 3%) in K-CET 2016.
- Secured 10 CGPA in CBSE Grade 10 Board Examination - 2014.

PROJECTS

Wanderlust - Online travel Application

- Tourism made easy with a fully functional web application which enables user to view package availability and perform booking.
- Implemented features such as trip status check, customer feedback, update rating, admin privileges, business statistics check.
- **Tech stack: HTML, CSS, Bootstrap, Javascript, Flask, MySQL**

github.com/shraddha319/Wanderlust-webApp

Student Answer Evaluation with Machine Learning

- Built a machine learning model to automatically evaluate student long answers.
- Methods of text embedding, classification, and application of deep learning in the area of Natural Language processing were studied.
- **Tech stack: Pandas, NumPy, scikit-learn, Keras, Tensorflow, Flask, MySQL**

Spoken digit recognizer

- Built machine learning models that could recognize the spoken digit from a speech signal.
- Models were trained using spectrogram images generated from the voice signals.
- Logistic regression, K-Nearest Neighbors, Convolution Neural Network algorithms were implemented.
- **Tech stack: Pandas, NumPy, Matplotlib, scikit-learn, Keras**

github.com/shraddha319/Spoken-digit-recognizer

HyperIoT: Securing Transactions in IoT through Private Permissioned Blockchain

- A blockchain integrated IoT architechture aimed at ensuring security and privacy of IoT transactions was proposed.
- A decentralized, distributed, private blockchain network architecture based on Hyperledger Fabric was used.
- **Tech stack: Hyperledger Fabric, Docker**

https://ieeexplore.ieee.org/document/9198474

SKILLS

Javascript, C++, Python, SQL, Git, Linux
HTML5, CSS3, React.js, Flask, MySQL
Data Structures and Algorithms, Object Oriented Programming with Java