S SHRADDHA

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EDUCATION

Aug 2016 | Aug 2020 **Bachelor of Engineering in Computer Science**, *PES University*, GPA: 8.21, *Bengaluru South*.

Jun 2014 | Jun 2016 **Pre-University in PCM**, *Christ Junior College*, 92.16%, *Bengaluru*.

Jun 2013 | Jun 2014 **Grade 10**, *CBSE*, CGPA: 10, *Bengaluru*.

EXPERIENCE

Nov 2020 – Present **Solution Delivery Analyst**, *Deloitte US India*, Bengaluru.
- Cyber Identity
- Currently assigned to the Identity Access Management service track.

Jan 2020 – Feb 2020 **Software Intern**, *Nivetti Systems*, Bengaluru.
- Developed a validation application to parse and check configuration settings of network devices from scratch. Proposed an efficient data structure to build the parser and optimize the validation process.
- Tech stack: C++, Libarchive.

Sept 2018 – Dec 2018 **Member**, *Cyber Research*, PESU - ECC.
- 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.

SKILLS

Language Java, C, C++, Javascript, Python, SQL, Bash scripting

Web Dev HTML, CSS, Bootstrap, React.js, Flask, Node.js, MySQL

Data Science Pandas, NumPy, Matplotlib, Seaborn, scikit-learn, Keras, Tensorflow 2

Others Git and version control, VSCode, Linux, Data analytics & visualization

University Coursework Data Structures and Algorithms, Object Oriented Programming with Java, Database Management System, Object Oriented Modelling and Design, Operating System

MOOC Introduction to Computer Science and Programming Using Python on edX, Machine Learning by Andrew Ng on Coursera.

PROJECTS

Descriptive Answer Evaluation using Machine Learning.
Built a deep 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*

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. The Project was selected and came top 4 in the BMSCE hackathon 2019.
Tech. stack: *Hyperledger Fabric, Docker*

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

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*
Source code

PUBLICATION

2020 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), *July 4, 2020*.
Published a paper titled - **HyperIoT: Securing Transactions in IoT through Private Permissioned Blockchain**
Publication