

S Swetha

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Education

B.Tech(CSE) 2015 - Present

[P.E.S University](#)

CGPA :9.74

12th grade (PU) 2014 - 2015

[Christ Junior College](#)

Grade: 95.5%

10th grade(ICSE) 2012 - 2013

[Bishop Cotton Girls' School](#)

Grade: 92.8%

Work experience

Web Developer June 2018 - Present

[Hewlett Packard Enterprise](#)

Developed an e-neighborhood system where residents can report local incidents using their smartphones giving photo/video evidence.

Data Analyst June 2017 - December 2017

[Centre for Cloud Computing and Big Data, PES University](#)

Worked on Bahmni(an electronic medical record and hospital system). Analysed treatment records of patients to determine the best treatment plan for Elephantiasis.

Projects

- **File System Implementation:** Built a persistent functional file system using *FUSE* and implemented basic I/O operations and system calls.
- **Compiler Design:** Implemented the front end of a JavaScript Compiler using *Lex* and *Yacc*.
- **NFA to DFA converter:** A tool that takes the transition states of a Non-deterministic Finite Automaton as input and outputs the transition states of the equivalent Deterministic Finite Automaton.
- **Restaurant database:** Created a database that includes information like customer details, bills,cuisines and employee details using *MySQL*. Developed a Web Interface for the database using *HTML*, *CSS*, *JavaScript* and *PHP*.
- **Crime prediction:** Predicted the crime rates in cities of USA using different regression models like *Linear regression*, *SVMs* and *Random Forests*.
- **Babelfish-A language learning website:** An interactive website that helps users learn the basics of Spanish through flashcards and quizzes. The website was developed using *HTML*, *CSS*, *JavaScript* and *PHP*.

Skills

- **Programming:** C, Python, R, Java(Basics)
- **Web Development:** HTML, CSS, Javascript, PHP
- **Database:** MySQL

Elective Courses

- Advanced Algorithms
- Data Analytics
- Computer and Network Security

Achievements

- Presented a project on **Analysis of treatment plans for Elephantiasis** in the 8th National Colloquium on Advancing lymphoedema research and Integrative Medicine held at Institute of Applied Dermatology,Kasaragod, Kerala
- Among one of the 45 students selected out of 1200 students in India for **Microsoft's Codess India Event**
- Received **Prof. C.N.Rao scholarship** for the years 2015-16 , 2016-17 and 2017-18 for outstanding academic performance