

Roshni Venkatesh

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Training Objectives: Primary objective is to continue career development and enhance skills through a technical internship/opportunity involving but not limited to Machine Learning, Natural Language Processing, Data Analytics & Visualization and Design.

Educational Background:

1. 2000- 2015: National Public School, Indiranagar (Till Grade 12)
CBSE 10 th grade board exam result: 10.0 CGPA
CBSE 12 th grade board exam result (PCMCE): 95%
2. 2015- Present: PES University (Currently pursuing B.Tech in Computer Science 6th semester)
University Exam results till 5th Semester: 9.60 CGPA

Skills and Achievements:

1. **Programming and coding:** Can code in C++, Python and C. In process of learning Java programming.
2. **Web programming:** Html, CSS advanced, Javascript basics, PHP.
3. **Database Software:** Worked with DBMS software like MySQL, MongoDB
4. Worked with Labview and R for data visualisation.
5. Completed Machine learning course by Stanford on Coursera, worked on NLP in internship.
6. Received CNR Rao Merit Scholarship and certificate after 1st year of Engineering and after 3rd and 4th semester.
7. Selected to be part of the Huawei Innovation Lab at PES University.

Experience:

1. **Fidelity Investments (FMR India- 2017):** (18 May 2017 – 21 July 2017) Did an internship with the machine learning team at FMR India and worked on Natural Language Processing using Python to find similarity in textual documents. This was done using various vectorization methods like doc2Vec, TFIDF, GloVe vectors, clustering algorithms like k- means, DBScan and others as well as vector matching tools like cosine similarity and locality sensitive hashing.
2. **Bigtec Labs (2016):** (6 June 2016 – 15 July 2016) Did an Internship at Bigtec Labs after 1st year of B.Tech. This internship involved data analytics and visualization using LabView and Advanced C.
3. **Technovation Challenge (2014):** Along with a team of 4 classmates and 2 employees of Goldman Sachs Inc. as mentors, was responsible for designing an app prototype called “Study Buddy”, which went on to win the 3rd place in South India. This challenge was an initiative of Qualcomm, Goldman Sachs and WeTech (Women Enhancing Technology).

4. Subject Matter Expert at PES University for Algorithms Course: Conducted a 4 week-long course for first year students in January and February 2018, on the basics of algorithmic thinking as a part of the PESU IO project of PES University.

Mini Projects- Part of PESU curriculum:

1. Word guessing game in C
2. Brain&Beyond- Human behavior and thinking analysis website
3. Implemented ALU of 8 bit processor using Logisim
4. Built a crane using Arduino Uno
5. Restaurant management database project using PostgreSQL
6. Code to minimize a given Deterministic finite automata and convert Non Deterministic automata to deterministic automata
7. Crime Rate Prediction and Terrorism Analytics and Visualisations in Python and R

Ongoing Projects:

1. Top news selector using Python (Web Scraping and Text Analytics)
2. Lab Assessment submission portal for PES University, using Python.
3. User-based Dynamic Learning Platform (As a part of Huawei Labs, PES University)
4. American Sign Language image classification and detection

Other Details:

Date of Birth: 9th October 1997

Gender: Female