Shyamal Vaderia

shyamalvaderia.com | +91-9925086214
vaderiashyamal@gmai.com | f2015048@pilani..bits-pilani.ac.in

EDUCATION

BIRLA INSTITURE OF TECHNOLOGY AND SCIENCE

B.E. (Hons.) Computer Science
Expected August 2019 | Pilani, India
Cum. GPA = 8.0/10

GSEB (CLASS XII)

J.L. High School
Grad. 2015 | Ahmedabad, India
Score(%) : 89

GSEB (CLASS X)

J.L. High School
Grad. 2013 | Ahmedabad, India
Score(%) : 91

LINKS

GitHub://**svaderia**
Facebook://**svaderia**
Twitter://**@svaderia**

COURSEWORK

UNDERGRADUATE

Data Mining
Cryptography
Data Structure And Algorithm
Database System
Object Oriented Programming
Logic in Computer Science
Discrete Structures in Computer Science
Digital Design
Microporcessors and interfacing
Artificial Intelligence (Ongoing)
Operating Systems (Ongoing)
Theory of Computation (Ongoing)
Computer Architecture (Ongoing)

MOOCS

Neural Networks By Prof. Hinton
Machine Learning By Prof. Andrew Ng
Natural Language Processing

SKILLS

PROGRAMMING

Strong
• Python • Java • C
Familiar
• Matlab • Android • Octave • MySQL
• HTML • CSS • bash
Software/Framework
• TensorFlow • sklearn • xgboost
• Jekyll • git • beautifulSoup

EXPERIENCE

UST GLOBAL | SUMMER INTERN

Summer 2017 | Trivendrum, India

- Designed, built and deployed a **Decentralised Firewall for Malware Detection** using Deep Belief Networks (DBN) and tested the same using **Ethereum** blockchain network along with **TensorFlow** framework.
- Mentored by **Mr. Gokul Alex, Senior Manager, Infinity Labs.**
- An accuracy of **89.9%** was achieved in the detection engine.
- This project was showcased to **Mr. Manoj Abraham**, Inspector General of Police, Cyber Dome.

PROJECTS

SARCASM DETECTION ON TWITTER

Feb 2017 – April 2017 | Pilani, India

- Implemented a paper on Sarcasm Detection by A. Rajadesingan. **Dataset** was mined using twitter API. **NLP** was scripted in **python** using **nltk**.
- **Gradient Boosting** achieved an accuracy of **85.71%** from a feature set only **1\7th** the original size proposed in the paper.

ENERGY EFFICIENCY OF RESIDENTIAL BUILDING DESIGN

Jan 2017 – April 2017 | APOGEE BITS-PILANI, India

- Developed an **Android** application to predict the dependence of Energy Efficiency, of a residential building in a particular area, based on its structure and design.
- Achieved a **98%** accuracy implemeting **Random Forest** algorithm.

MINI PROJECTS

- **Fan Control System using 8086 Microprocessor**
- Wrote a **critique** and an executive summary on “Rank-indexed hashing: A compact construction of bloom filters and variants” by N. Hua, H. C. Zhao, B. Lin, and J. Xu.

EXTRA CURRICULAR

- Gave a Lecture on 'Introduction to Machine learning' as part of a **Workshop** organized by **BITS-ACM** during the college Technical Festival **APOGEE BITS-PILANI.**
- Successfully conducted a **ML hackathon** on kaggle in collaboration with **MapMyIndia** during the college Technical Festival **APOGEE BITS-PILANI.**
- Run a technical **blog**, wherein members can share and learn about ongoing technology.

ORGANIZATIONS

2017-Present	Webmaster	ACM Student Chapter BITS Pilani
2015-Present	Core Team Member	ACM Student Chapter BITS Pilani
2015-16	Member	National Service Scheme, Pilani
2011-12	Senior NCC Cadet	National Cadet Corps, Gujarat