ADITYA HARSH

R100214007

Computer Science and Engineering

University of Petroleum and Energy Studies, Dehradun

Email: adityasiwan@live.com

Website: http://adityasiwan.github.io

Github: http://github.com/adityasiwan

Contact: +91 88592 74271

Objective: Seeking internship in a fast growing organization so as to hone my technical skills and attaining excellent standards while meeting organizational needs.

ACADEMIC QUALIFICATIONS

Year	Degree/Certificate	Institute/School, City	GPA / %
2014-Present	4th semester, Computer Science and Engineering	University of Petroleum and Energy Studies,Dehradun	3.0/4
2013	Class XII Board (CBSE)	D.A.V Public School, Jamshedpur	80.0
2011	Class X Board (CBSE)	D.A.V Public School, Siwan	93.5

TECHNICAL SKILLS

- Programming Languages: C, C++, Python, Java, MySQL, HTML, PHP, CSS, Bash
- Libraries: Scikit-learn, PyBrain,Theano
- Platform(OS): Android, Windows Phone, Linux, Kali Linux, Microsoft Windows
- Software: Eclipse, Android Studio, Adobe Premiere Pro, Adobe After Effects, Solid Works
- Documentation: LaTeX

RELEVANT COURSES UNDERTAKEN / ONGOING

- ALGORITHMS – I
- WEB TECHNOLOGIES THROUGH PHP
- HTML PROGRAMMING
- PROGRAMMING IN C
- OBJECT ORIENTED PROGRAMMING
- DATABASE MANAGEMENT SYSTEM
- DATA MODELING
- DATA STRUCTURES USING C
- MATHEMATICAL LOGIC
- OPERATING SYSTEMS
- MACHINE LEARNING
- MICROPROCESSORS AND EMBEDDED SYSTEM
- GRAPHICS AND ANIMATION TOOLS
- DATA COMMUNICATION AND NETWORKING
- COMPUTER SYSTEM AND ARCHITECTURE
- THEORY OF AUTOMATA AND COMPUTATION

WORK EXPERIENCE/PROJECTS

FACE RECOGNITION(MACHINE LEARNING) (May-June 2016)

- Created a Python implementation of the eigenfaces technique for representing real facial images using an assortment of base images (computed by performing an eigenanalysis of the face data matrix).
- A dataset of 13,000 images were used and a sample of top 100 eigenfaces from the 579 faces gave an average precision of 83%.

WEATHER APP(ANDROID) (Jan-Feb 2016)

- Developed an android application which gives the overview of the weather data for any location in the world in both metric and US standard units using JAVA and XML on Android studio.
- The application can also forecast the weather using the openweathermap.org API Key through JSON parsing.

TITANIC SURVIVAL EXPLORATION(MACHINE LEARNING) (May 2016)

- Developed a project in python which contains decision functions that attempt to predict survival outcomes from the 1912 Titanic disaster based on each passenger's features, such as sex and age which accurately predict the outcomes for at least 80% of the passengers in the provided data.

COFFEE ORDERING APP(ANDROID) (Dec-Jan 2016)

- Developed an android application for ordering coffee through intent object on GMAIL app.
- The total amount to be paid is calculated based on the user's choice from the menu using a well designed UI.

TAX PROFESSIONAL WEBSITE (Jan 2016)

- Designed a dynamic website based on tax consultancy on Wordpress with user friendly UI.

HOUSING PRICES(MACHINE LEARNING) (June 2016)

- Built a model to predict the value of a given house in the Boston real estate market using various statistical analysis tools.
- Identified the best price that a client can sell their house utilizing machine learning.

POSITIONS OF RESPONSIBILITY

TECHNICAL CORE COMMITTEE MEMBER, Association for Computing Machinery(ACM) (2015 - Present)

- Involved in the ACM technical core committee for the issues related to android and web developing. .