Ayush Vedprakash Agarwal

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**OBJECTIVE**

I want to work in a company which gives me the opportunity to apply my knowledge and observation capability into the real time application. I want to continue the processes of learning new things as I have got thirst for knowledge .

**HIGHLIGHTS**

Experience in application development using C , C++ , Java and Python .

Sound knowledge of UNIX internals.

Skilled Mass Communicator.

Good analytical and problem solving skill.

**EDUCATIONAL QUALIFICATION**

I am pursuing my Engineering degree in Computer Science from D. Y. Patil Institute of Technology, Pimpri (D.I.T)

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| **Board/University** | **Institute/School** | **Exam** | **Year of Passing** | **Percentage** | **Class/Remark** |
| Savitribai Phule Pune | D.I.T Pimpri | TE | 2019 | 79.2 | Distinction |
| Savitribai Phule Pune | D.I.T Pimpri | SE | 2018 | 79.9 | Distinction |
| Savitribai Phule Pune | D.I.T Pimpri | FE | 2017 | 81.14 | Distinction |
| Maharashtra HSC | Dr.D.Y.Patil ACS Junior College | 12th | 2016 | 76.77 | Distinction |
| Maharashtra SSC | Dr.D.Y.Patil Public School | 10th | 2014 | 85.4 | Distinction |

**TECHNICAL SKILL**

**Languages:**

Procedural Language: C

Object Oriented Language: C++

Virtual Machine based Language: Java

Scripting Language: Python

**Database:** MySQL, SQLite

**Operating System:** Windows NT Family, Linux Distributions

**Frameworks:** Django, Flask micro framework

**Tools and Technologies:** GIT, Heroku(PAAS), Travis CI(Testing and deploy)

**PROJECTS:**

**Project Centric Mail**

Technology: Python, Django framework, Google API, HTML & CSS.

Description:

* In this web based project the user account is connected to their Gmail account with the use of API.
* The user can see , read , write his email account in a more interactive way
* Mails are cluster according to their projects. It also provides the facility to identify spam mails and formal informal mails with the help of machine learning.

Usage: Company individuals/Student/Teachers can use this website for their daily mail interactions.

**EMI Calculator**

Technology: JAVA

Description:

* This project is a server based application.
* In this project on server side we accept requirement of client in terms of amount and perform the calculation based on that. Client receives all details about its EMI.
* On server side we handle multiple client requests using multithreaded architecture.

**File Packer and unpacker tool**

Technology: C programming

Platform: Windows or Linux

Description:

* In this tool we accept one folder from user and we can pack all regular files from that folder into one single regular file.
* While packing contents of file we can apply the encryption concept for data security.
* In this tool we can provide unpacker support in which we can extract all the files from that file and recreate it in same current or desired directory and unpack all the regular files.

Usage: While sending file through network instead of sending files separately we can pack those files from clients and unpack it on receivers end.

**Virtual File System:**

Technology: C programming

Description:

* The virtual file system provides all functionalities top user which is same as UNIX based file system.
* It provides all necessary commands and system calls implementations of file system through customized shell.
* In this project we implement all necessary data structures of file subsystem as Inode , Incore Inode Table , File Table , User File Descriptor Table , etc.
* By using this project we can emulate UNIX file system on any windows platform.

**Other Curricular Activity:**

* Awarded for coming first in SPPU SE Examination in Computer department.
* Technical Head of ACES (Association of Computer Engineering Students) 2016-2017.
* Attained NVidia Conference (Sep 2017) , Jet Brains Conference(27 April 2018) , WIDS conference (16 March 2019)

**Personal Details:**

Date of Birth: 2/12/1998

Marital Status: Single

Nationality: Indian