Parth Wazurkar

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Education

2020
B.TECH. IN CSE
IIIT Nagpur
CGPA : 8.23/10

2014
SCHOOL
Bhavan's Lloyds Vidya Niketan
CGPA : 10/10

Links

Github:// **parthw1**
LinkedIn:// **parthw1**
Website:// **homepage**
Codechef:// **parthw1**
Codeforces:// **parthw1**
Google Scholar:// **Parth**

Skills

OS
GNU/Linux, Windows

LANGUAGES
C/C++, Java, Python, JS, Shell

FRAMEWORK
Django, Node.js, react.js, PHP

DATABASES
MySQL, MangoDB

OTHERS
Markdown, Git, Vim, Travis, Emacs, LaTeX

Interests

Competitive Programming
Open Source Software Development
Backend Development
Full Stack Development
System Programming

Coursework

Data Structures and Algorithms
Object Oriented Programming
Operating Systems
Database Management Systems
Computer Networks
Distributed Systems

Internships

July-Dec'19 **TRDDC, Pune** **R&D Intern**
Worked in the cyber security and privacy research team at TRDDC, Pune. Mathematical models using PuLP were developed for the dynamic cloud resource allocation problem, experiments were performed and promising results were obtained.
Python, PuLP, Operations research, Optimization

Apr-Aug'18 **FreeType** **Google Summer of Code**
The goal of the project was to add the support of TeX's bitmap font formats (GF, TFM, PK and VF fonts) into FreeType by providing new modules to handle them. Developed drivers for FreeType font rendering engine which is deployed on over a billion devices.
ANSI C, Pseudo OOP, Makefiles, GNU Autotools

Projects

2019 **Adaigor** **Personal project**
A django based music player app, which provides functionality of upload, store and play music by storing on cloud.
Python, Django, HTML, CSS, Bootstrap

2018 **Driver Module** **GSoC project**
New drivers for TeX's font format were developed. The drivers were completely developed in ANSI C. Concepts like pseudo OOP, memory allocation, I/O stream parsing were used for the development of drivers.
ANSI C, Makefiles, GNU Autotools

2018 **Dynamic Memory Allocator** **Course project**
Implemented a dynamic memory allocator for C (64 bit systems) using heap's virtual address space. Used segregated free lists to maximize throughput and utilization.
ANSI C

Achievements/Awards

2017 **IEEE CSNT 2017** **Publication**
Published research paper titled "Predictive analytics in data science for business intelligence solutions" in IEEE conference CSNT 2017.

2017 **ESCI Indexed Journal** **Publication**
Published research paper titled "Effective modelling for predictive analytics in data science." in Journal of Fundamental and Applied Sciences.

2020 **Codechef February Long Challenge** **World Rank 85**

Extra Curriculars

2018-now **Founder** **Dotslash Programming club**
Founder of the programming community at IIIT Nagpur, which works for the development of a programming culture in the college.

2018-now **Coordinator** **Training & Placement cell**
Student Training and Placement coordinator.