

Parth Wazurkar

<http://parthw1.github.io>

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EDUCATION

- **Indian Institute of Information Technology, Nagpur** Nagpur, India
B.Tech in Computer Science and Engineering; GPA: (8.12/10) Aug. 2016 – 2020*
- **Yeshwant Mahavidyalaya** Wardha, India
Senior Secondary (MSBSHSE); (90.46%) July. 2014 – May. 2016
- **Bhavan's Lloyds Vidya Niketan** Wardha, India
Secondary (CBSE); GPA: (10/10) May. 2007 – May. 2016

EXPERIENCE

- **Software Developer Intern - Google Summer of Code** Remote
FreeType organisation April 2018 - August 2018
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.
- **Research and development Intern** Pune, India
Tata Research Development and Design Centre July 2019 - December 2019
Working in the cyber security and privacy team at TRDDC, Pune. Currently working on the cloud resource allocation problem.

SELECTED PROJECTS

- **Dynamic Memory Allocator** : Implemented a dynamic memory allocator for C (64 bit systems) using heaps virtual address space. Used segregated free lists to maximize throughput and utilization.
- **Linux Mini Terminal** : A Linux terminal was implemented in C programming language using concepts of fork, exec, signals, pipes etc. Different kinds of interrupts were also handled.
- **SQL Engine** : Implemented an SQL query parser and executor in C++ to manipulate data in csv files.
- **Schemes finder** : A website which provides all the government schemes provided by states as well as central government at a same place. It was developed using HTML, CSS and JS using BOOTSTRAP and a portal was also developed in PHP.
- **Adaigor** : A django based music player app, which provides functionality of upload, store and play music by storing on cloud.

PUBLICATIONS

Google Scholar : [Link](#)

- **P Wazurkar**, R.S Bhadoria and D. Bajpai, **Predictive analytics in data science for business intelligence solutions**, In 2017 7th International Conference on Communication Systems and Network Technologies (CSNT) IEEE.
- **P. Wazurkar**, R.S. Bhadoria. **Effective modelling for predictive analytics in data science**. Journal of Fundamental and Applied Sciences, 10(2). [ESCI Indexed]

INTERESTS

Competitive programming (codechef ID), Applied algorithms, Cyber security and privacy, Cloud computing, Distributed systems, Automation, Web development, Computer typesetting

COURSEWORK

Data structures, Discrete mathematics and graph theory, Design and analysis of algorithms, Computer system organization, Application programming, Software engineering, Operating systems, Computer networks

TECHNICAL SKILLS

- **Languages (Day to Day):** C, C++, Python
- **Languages (Familiar):** Shell, JAVA, JS, PHP
- **Tools and Frameworks:** Makefiles, GNU Autotools, GIT, L^AT_EX, Emacs
- **OS:** GNU/Linux

ACHIEVEMENTS

- Secured AIR 9735 in JEE Mains 2016 amongst 1.2 million students.
- Secured AIR 15173 in JEE Advanced 2016 amongst 0.2 million students.
- District Topper in Secondary Examination in 2014.
- Selected for national level CBSE Science Exhibition held in Delhi in 2012.

CAMPUS ACTIVITIES

- Founder of the programming community at IIIT Nagpur, which works for the development of a programming culture in the college.
- Hostel Secretary for IIIT Nagpur boys hostel from Aug 2018 to May 2019.
- Student Training and Placement coordinator.
- Technical council head for the academic year 2016-17.
- Player of college basketball team.