Abhishek kumar **Singh**

PRE-FINAL YEAR · CSE UNDERGRAD

Pune, Maharashtra, India

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Summary ────────────────────────────────

A pre-final year CSE grad having a strong foundation in maths, logic, programming skills, analytical aptitude, machine learning and also web application development. Super nerd who loves Linux and enjoys to customize all of the development environments and also tweaking terminals with pugins. Seeking to leverage solid development skills with a focus on collaboration, passion and creativity.

Education ────────────────────────────────

GRADUATION

Bachelor of Technology (University of Pune)   *Maharashtra, India*

B.TECH IN COMPUTER SCIENCE AND ENGINEERING   *June 2017 - May 2021*

- 8.90 / 10.0 C.G.P.A

SCHOOLING

Higher Secondary School (CBSE)   *Maharashtra, India*

PCM + CS   *April 2016 - March 2017*

- 77.8 %

Projects ────────────────────────────────

Stay Safe Bot! Game   *Personal Project*

GAME DEVELOPMENT   *Mar. 2020 - Mar. 2020*

- The game is been developed on godot game engine with gdscript scripting language.
- Your character / player must move and avoid the enemies for as long as possible.

Real Estate Web-App   *Web-Tech Lab Project*

WEB-APP DEVELOPMENT   *Jul. 2019 - Sep. 2019*

- Developed a property trading web application using Django. This Real estate portal is basically used to deal with rich functionalities for the private sellers, buyers and real estate agents to list properties for sale or rent, search in the database.
- It includes powerful backend and security support by Django and professional looking frontend by HTML, CSS, Pillow and Bootstrap.

Discussion Platform (CHARCHA)   *Personal Project*

WEB-APP DEVELOPMENT   *Aug. 2019 - Sep. 2019*

- Developed a discussion forum platform using Django, in which users can interact or discuss on any topic.
- Also shows real time updates with time stamps.

Python Web Scrapers   *Personal Projects*

PROGRAMMING   *Jul. 2019*

- Developed a web crawler which lets user download or listen to songs, this web scraper crawls www.mp3download.center to search the songs.
- Developed a simple web crawler using python, which collects the products and respective links of the products from a page of amazon.in .

Travel Agency Application   *OOPs Lab Project*

APPLICATION DEVELOPMENT   *Feb. 2019*

- Developed a travel agency software in C++, which has 2 modules Admin and End-user. Having functionalities of choosing holiday packages, destinations and then paying for trip.
- Project mainly focuses on Object Oriented Programming.

Feedback Management System   *DS and Algo Lab Project*

APPLICATION DEVELOPMENT   *Jul. 2018*

- Developed a feedback management software using C, which have basic features of giving feedbacks for employers.
- Project mainly focuses on Data Structures and Algorithms.

Skills

LANGUAGE	**C++,** Python, C, PHP, Octave
WEB	**HTML,** CSS, JS, Bootstrap
PACKAGE	**mlpack,** Scikit-learn, Tensorflow, Django
CORE	**DS and Algo,** OOP, Database, Linux
OTHERS	**Git/Github,** MATLAB, LaTex, Godot

RELEVANT COURSEWORK

Apr. 2020	**Machine Learning,** by Stanford University	*Coursera Course*
Mar. 2020	**Machine Learning A-Z,** Hands-On Python and R In DataScience	*Udemy Course*
2019	**Computer Organization,** GHRCEM	*Academics*
2019	**Database Management Systems,** GHRCEM	*Academics*
2018	**Data Structures and Algorithms,** GHRCEM	*Academics*
2018	**Graph Theory and Combinatorics,** GHRCEM	*Academics*

Achievements

Semi finalist (out of 100+ participants) in "Code Debugging" *Pimpri-Chinchwad, Maharashtra*
C++ and Python algorithm debugging competition organized by JSPM, Tathawade *2019*

Secured 2nd position (out of 100+ participants) in College level programming competition "Codebuzz++" *Pune, Maharashtra*
C++ coding competition organized by GHRCEM, Pune *2018*

Presented a study paper in National level competition TRPCS. *GHRCEM, Pune, Maharashtra*
Study paper on "Cryptographic Steganography" *2018*

Qualified for AFWWA Scholarship and received financial help from central government. *Pune, Maharashtra*
Merit Based Scholarships provided to the children of AF personnel *2017*

Extracurricular Activity

CONFERENCES AND WORKSHOPS

Conference on "Blockchain Technology and Applications" *Pune, Maharashtra*
Organized by Telecom Regulatory Authority of India (TRAI) *15th Mar. 2019*

Workshop on "Robotics and Automation" *SCOE, Pune*
Organized by METEOR 2K17 *16th - 17th Sep. 2017*

LEADERSHIP EXPERIENCE

2109	**Peer Teaching,** taught Data Structures to junior year students	*Academics*
2019	**SIH 2019,** participated in SIH 2019, idea was to build a web-app to promote fitness activities.	*Hackathon*
2019	**Tutor,** at Coding Club of College	*Academics*

PERSONAL DETAILS

INTEREST	**Swimming,** Competitive Programming, Drawing
LANGUAGE	**English,** Hindi, Spanish, Bhojpuri