

# Piyush

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## EDUCATION

### BML MUNJAL UNIVERSITY

BTECH IN COMPUTER SCIENCE

August 2017 | Haryana, IN

CGPA: 9.70 / 10

### DCM SEN. SEC. SCHOOL

11 - 12

March 2014 | Punjab, IN

Perc: 94.2%

## LINKS

Github:// piyush14298

CodeChef:// pi14

CodeForces:// piyush14298

## SKILLS

### PROGRAMMING

C++ • Java • Python • Go • Swift

### Tools

Shell • Django • Git • REST APIs

### OTHER

Linux

OS Concepts

Networking concepts

Competitive Coding

Cryptography

Information Retrieval

## COURSEWORK

### UNDERGRADUATE

Design and Analysis of Algorithms

Information Retrieval

Software Engineering

Artificial Intelligence

Discrete Mathematics

Operating Systems

Machine Learning

Database Systems

Computer Networks

Object Oriented Programming

Cryptography

Image Processing

Security Attack and Defense

## INTERESTS

Photography

Programming

Drawing, Sketching

## EXPERIENCE

### OKCREDIT | SWE INTERN

Feb 2021 - Present | Remote | Bangalore, IN

- Working as a part of OkPay, which is the payment feature within OkCredit.
- Contributing to a microservice which handles a 100k RPM.
- Tech stack - GoLang, Ruby, Pubsub

### CRIO.DO | STUDENT DEVELOPER

Jan 2020 - April 2020

Portfolio:<https://criodo.github.io/Crio-Launch-Feb-2020-piyoosh14298/>

QCharm is an online IDE.

- Implemented basic features of an IDE like cut/copy/paste.
- Used various data structures and algorithm for optimization.

QMoney is a visual stock portfolio analyzer.

- Implemented the core logic of the portfolio manager and published it as a library.

- Refactored code to add support for multiple stock quote services.

QBox is a VSFTP based secure file-sharing service.

- Created pre-install scripts to run system checks, install and configure QBox.
- Developed tools to automatically analyze performance and functionality issues in different versions of QBox.

## PROJECTS

### E-NIDAAN | ONLINE COVID-19 RISK ASSESSMENT TOOL

Aug 2020 - Present

- Developed an online COVID-19 risk assessment tool
- Two parts: Risk assessment, Chest XRay analysis.
- Analysis done using machine learning models.
- Deployed these models using Django framework, Python, HTML, CSS.
- Accuracy of >98%

### CYBER ABUSE REVELATION ENGINE | CARE, SIH REGIONALS

Feb 2020

- Built an engine that would crawl the surface web, search for child abuse, women abuse, cyber bullying and pornography.
- The implementation included use of Information retrieval, Machine learning and Natural language processing.
- Ranked 3/45 in Smart India Hackthon Finals

### RESEARCH ASSIST | RESEARCH PAPER FINDER

Oct 2019 - Nov 2019

<https://github.com/makeavish/ResearchAssist>

- Implemented a focused crawler to find research papers over the surface web similar to a given research paper.
- Implementation included use of Information Retrieval methods.

## ACHIEVEMENTS

	1000+	Programming problems solved on CodeChef, CodeForces etc.
2020	32 / 16299	TCS Codevita Season 9 Pre-Qualifiers
2020	3/45	Smart India Hackathon finals
2019	46/106	ACM ICPC Kanpur Regionals
2019	179/4441	ACM ICPC Online Round