

Apoorva Jain

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EDUCATION

IIT KANPUR

M.TECH IN COMPUTER SCIENCE

Graduated June 2021 | Kanpur, India

Cum. GPA: 9.43 / 10

JSSATE, NOIDA (AKTU)

B.TECH IN COMPUTER SCIENCE

Graduated June 2019 | Noida, UP

Cum. %: 85.6 / 100 | 1st DIV HONS

PINEWOOD SCHOOL

Class XII, May 2015 | Saharanpur, UP

CUM %: 93.4/100

Class X, May 2013 | Saharanpur, UP

CGPA: 10/10

LINKS

LinkedIn:// [TechAJ](#)

Orcid:// [ORCiD](#)

StackOverflow:// [TechAJ](#)

PlayStore:// [Tech AJ](#)

Github:// [Tech-AJ](#)

COURSEWORK

Software Architecture

Computer Systems Security

Introduction to Machine Learning

Malware Analysis & Detection

Software Engineering

Designing Verifiable Secure Systems

SKILLS

PROGRAMMING LANGUAGES

C++ • C • JAVA

Javascript • PHP • Python

TOOLS, DB, FRAMEWORKS

Workflows • JIRA • Grafana

Node.js • Express • MongoDB

Drupal8 • MySQL

HTML • CSS • Bootstrap

Android Studio • Git • Linux

RESPONSIBILITIES

Coordinator, ACA, CSE, IIT KANPUR

Organised **E-farewell**, Happy hours

TA, Computational Genomics

TA, Fundamentals of Computing

INTERESTS

System Design, Cloud Compute

Computer Security, Machine Learning

EXPERIENCE

Oracle | SOFTWARE DEVELOPER (MTS)

July 2021 - Present | Bangalore, India

- Part of OCI Compute. Worked on the project to enhance monitoring in the service by emitting proper metrics, Grafana Dashboards, Workflows etc.

MooKIT, IIT Kanpur | SOFTWARE ENGINEER INTERN

June 2020 - Aug 2020

- Helped my institute **IITK to host online classes** during COVID19 by working with MooKit team & Prof. Prabhakar to integrate webex & zoom with MooKIT.
- Automated Class Attendance & prevented zoom bombing attacks.
- Built an **analytics package** for the BigBlueButton(BBB) video conferencing software to monitor **server load** in terms of conferences, users etc.
- Installed BBB on AWS & created Drupal module for displaying data graphically.

Plabro Networks Pvt Ltd, Gurgaon | ANDROID APP DEVELOPER INTERN

Jan 2018 - Feb 2018

- Real time data (location, wifi-scan results, data from device sensors) of the user was sent and fetched to and from the server 24*7 using background services.
- **Optimised battery usage** by the app by adjusting location accuracy in real time.
- **Reduced APK size** from 4 MB to 2.2 MB by replacing SDK with required APIs.

PUBLICATIONS

[1] A. Jain and N. Srivastava. Privacy-preserving record linkage with block-chains. In D. P. Agrawal, N. Nedjah, B. B. Gupta, and G. Mart Perez, editors, Cyber Security, Privacy and Networking, pages 61–70, Singapore, 2022. Springer Nature Singapore.

PROJECTS

Large Scale Experience Sampling System with Provable Privacy Guarantees | M.TECH THESIS

Under Prof. Nisheeth Srivastava | May 2020 – May 2021

- Developed a method for collecting & storing sensitive data using JWT & block-chain as a data structure that preserves privacy of the users even if all DBs are compromised.
- Used MERN stack to implement the scalable & secured end to end system.

Malware Identification | UNDER PROF. SHUKLA | FEB-MARCH 2020

- Extracted data, performed feature selection followed by binary classification.
- Dynamic model predicted with better (99.8%) accuracy than Static model (95.5%).

Secure File Storage and Sharing | COMPUTER SYSTEMS SECURITY

Under Prof. Pramod Subramanyan | Aug 2019 - Sept 2019

- Developed encrypted file storage supporting secure sharing & revocation of files.

SELF PROJECT ON PLAYSTORE

Income Tax Calculator | ANDROID APP | DEC 2016 – JAN 2017

Designed & developed the app single-handedly in all **stages of SDLC** to help users easily calculate Income Tax. **48k+ downloads** | **4.3 star rating** by **260+ users**.

AWARDS ACHIEVEMENTS

2021 **Convocation Award**
2021 Excellence Award
2021 **99.89 percentile**
2020 475
2019 1st/855
2019 1st/148

Radhabai Vasudeo Navelkar Award by IIT Kanpur
Academic Excellence Award by IIT Kanpur
in DILR, 95.75 percentile overall in CAT 2021
Reputations on Stackoverflow, 447k people reach
College Topper JSSATE (B.Tech) in 1st, 8th sem
Branch Topper JSSATE (B.Tech) in 1st,4th,5th,7th,8th sem