

# Kshitij Agarwal

+91-8368552979

kshitijagarwal2808@gmail.com

github.com/kshitijagar

linkedin.com/in/kshitij-agar28

Roll No.: PES1UG21CS292

B.Tech (CSE) — PES University, Bangalore

## Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech (Computer Science)	PES University	8.86 (Current)	2021-Present
Senior Secondary	CBSE Board	94%	2021
Secondary	CBSE Board	95.2%	2019

## Skills

**Programming:** Python, C, Java, JavaScript, React.js, Node.js, React Native, Solidity **Tools:** Docker, GitHub, Hadoop, Kaggle, Visual Studio Code **Databases:** MySQL, MongoDB, Firebase **Operating Systems:** Windows, Linux

## Key Courses

**Mathematics:** Linear Algebra, Statistics in Data Science, Data Analytics

**Product Management:** Software Engineering

**Computer Science:** Data Structures and Algorithms, Operating Systems, Computer Networking, Automata and Formal Languages, Big Data, Information Security, Compiler Design, Blockchain

## Experience

### Summer Student - Ciena Corp

Jun 2024 - Aug 2024

- Collaborated with senior engineers to identify, troubleshoot, and resolve bugs in automation scripts for Packet Network QA.
- Gained insights into networking protocols and operational mechanics of switches and routers.
- Contributed to automating logical port stats test cases, reducing test execution time by 93% (from 70 minutes to 5 minutes).

## Projects

### Blockchain Voting dApp

Mar 2024 - Apr 2024

- Developed a decentralized voting application using Solidity smart contracts and React.js frontend.
- Implemented secure voting mechanisms and blockchain integration for transparent and tamper-proof elections.
- Tech Stack:** Solidity, React.js, Ethereum, Web3.js

### MediTrack

Feb 2024 [GitHub Link](#)

- Developed a mobile app using Figma, React Native, and Firebase to track local disease spread.
- Integrated multiple APIs to provide real-time disease data.
- Tech Stack:** Figma, React Native, Firebase

### YKraft - Yet Another Kraft

Oct 2023 - Nov 2023 [GitHub Link](#)

- Developed an HTTP implementation of Kraft with essential functionalities.
- Enhanced system with metadata and log storage for efficient recovery from server failures.
- Tech Stack:** Python, HTTP protocols

### Sports Department Management System

Sept 2023 - Nov 2023 [GitHub Link](#)

- Backend: Developed a Sports Department Management System for the university using MySQL and Django providing an intuitive interface.
- Integrated frontend using HTML and CSS to develop a Sports Department Management System.
- Tech Stack:** MySQL, Django, HTML, CSS

### Student Elective Manager

May 2023 - July 2023 [Project Link](#)

- Played a key role in making the app framework and front-end for improved user-friendliness.
- Contributed to the development of the project's Firebase database and hosting the website on the web.
- Tech Stack:** React.js, Firebase

### SecureCipher: Data Encryption and Decryption Tool

Jan 2022 - Feb 2022 [GitHub Link](#)

- The project leverages a combination of Python libraries, advanced cryptographic techniques, and user interface (UI) tools to create an intuitive and user-friendly Python application.
- Tech Stack:** Python, Cryptography libraries, UI tools

## Positions of Responsibility

### Head of Events and Operations - IEEE CS Club, PES University

Dec 2023 - Present

- Organized a guest lecture attended by over 400 participants.
- Led organization of a 24-hour hackathon with participants from various universities.