

Kratika Arora

Adaptable, Buoyant & Ambitious

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Career Objective

A research position that provides ample opportunity to develop problem solving skills and advance my abilities in the computer science field. I believe that globalization without technology is degradation that's why I wanted to solve real world problems.

Academic Background

Year(s)	Qualification/ Degree	Board/ University	Percentage/ CGPA
2018 - 2022	B. Tech in CSE - Honors in Internet of Things & Smart Cities	University of Petroleum and Energy Studies	8.07 /10
2017 - 2018	XII	CBSE	81.2 %
2016	X	CBSE	85.5 %

Experience/ Internship(s)

Company: Watchguard Technologies - Software Developer (.Net)
Duration: Jan 2021 - March 2021
Job Description: Learned and implemented the concepts of .Net and made a project (console application) of Covid Vaccine Tracker App for employee of an organization. Also learned the basic concepts of Cyber Security.

Company: Techmihirnaik - Backend Developer
Duration: June 2021 - July 2021
Job Description:

- Successfully integrated SQL for the company website and optimized the queries for the heavy-load parts of the system, which improved website. Re-developed their existing web application dashboard and the complete website is developed in Java, JSP and Servlets.
- Link: <https://techmihirnaik.in/>

Online Certifications

- **ApTech - Java EE Certification**
This certification includes the learning implementation of core java and basics of GUI. It also includes the project of making a digital Library system storing database of students and Book.
- **Coursera**
 1. Bits and Bytes of Computer Networking
 2. Python Data Structures
 3. Software Development Process and Methodologies
 4. Agile Planning for Software Products

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Projects Undertaken (Academics)

Title: Smart Parking Management System (2021), Team Member

- Developed a parking management system using IR sensors, RFID Readers, Raspberry Pi, AWS RDS, and an android application using Google Maps-API, Places-API.
- Link: <https://youtu.be/EfPtL7wuy2E>

Title: Smart Medical Box using NodeMCU and Firebase Database (2020), Team Member

- Developed a project that assists elderly people to take the right medication on time. The device consists of a box that has compartments to be filled with pills and a timer must be set with the prescribed time with the help of a mobile application.

Title: Smart Attendance script using Java and Python (2019), Tool

- The script is having features as daily attendance, debar list, check percentage, extra class attendance through Python (Pandas and Xlsx writer) and the same type of script is developed using MYSQL and Java Environment.

Co-Curricular Activities/Achievements

→ Publications (International Conferences):

Publication Paper Title	Conference
An IoT Approach towards Storage of Medicines to develop a Smart Pill Box	AISE 2021
An IoT Based Approach in Automatic Garbage Segregation to develop an Intelligent Garbage Segregator	AISE 2021

→ Played a key-role to integrate a startup with UCIE Cohort, Dehradun (2021)

→ 2nd in Startup Weekend at UPES (2019)

→ 1st place in State level Classical Dance (2016)

→ 1st place in State level Science Fair (2016)

Skill Set

- **Coding Languages** : Java, C#, C
- **DBMS** : MySQL, SQL
- **J2EE** : JSP, Servlets
- **Cloud/Big-Data** : AWS, Google Firebase, IoTThingSpeak, Blynk
- **Course Work** : DBMS, OOAD, OS, Algorithms, IoT Boards, Cloud Computing
- **Soft - Skills** : Problem Solving & Analytical Skills, Presentation Skills
- **Hobbies** : Dancing, Solving Sudoku and Travelling

I hereby declare that the information stated above is true to the best of my knowledge.

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