

AKSHAT JAIN

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Education

Graphic Era Hill University Dehradun Campus

B.Tech in Computer Science and Engineering | CGPA: **8.93**

2019 - 2023

(expected)

Experience

Cognizant | Student Trainee

March 2022 - July 2022

- Enrolled in Digital Nurture 2.0 program.
- Learned various technologies like **Java J2EE, Spring, MVC, Unit Testing, Cloud (SaaS), Database and Communication Skills.**
- National Topper** of the program by completing all Hands on exercise earliest. [Link to Exercises.](#)

Samsung R&D Institute | Research Intern

July 2021 - December 2021

- Researched on the “**Smart Sim Switching Framework**”.
- Used **Python** and **Machine Learning Model** to Train based on Frequencies of Network.
- Followed Journals from IEEE.

Projects

[Driver Sleep Detection](#) (Computer Vision)

September 2022

Made this model using **yolov5, PyTorch, and OpenCV** to detect whether a driver is sleeping or not.

- Used **YoloV5's** Ultralytics for detection Model.
- Used **Labelling** for labeling datasets.
- 98.5%** Accuracy achieved.

[Quiz Organizing System \(Tally Codebrewers 2022\)](#) (Web Development)

July 2022

Developed a quiz organizing system using **HTML, CSS, Javascript, PHP, SQL, NoSQL and SMTP Protocol.**

Also created a Landing Page using **React and NodeJS**

- Text-to-Speech** converter for questions.
- Created an **SMTP Protocol** for sharing emails to **Quiz Takers.**
- Finalist** in Tally CodeBrewers 2022 Hackathon.

[Face Mask Detection using CNN](#) (Computer Vision)

March 2022 - June 2022

Used **CNN algorithms** to detect whether a person is wearing a mask or not.

- Used **MobileNet V2** algorithm.
- Created my **own dataset.**
- 98.78%** Accuracy achieved.

Academic and Extracurricular Achievements

- Guest [Speaker](#) at seminar of Machine Learning hosted at Graphic Era Hill University.
- Finalist in PWC Fiercest Competitor Hackathon 2022.
- Finalist in [Tally](#) Codebrewers 2022 Hackathon.
- National and College Topper in [Cognizant's](#) Digital Nurture 2.0 Program.
- Selected for [Amazon](#) ML Summer School 22.
- Solved 700+ Questions across [Leetcode](#), [GFG](#)..

Certifications

Google Cloud Computing Foundation | Amazon ML Summer School (ML, Deep Learning) | Software Development Life Cycle (Agile)

Technical Skills

Core: Data Structures, Algorithms, Operating Systems, DBMS, Computer Organization, Networks, Architecture, Object Oriented Concepts.

Languages: C, C++, Java, Python, MySQL, Javascript, HTML, CSS, Php.

Framework: Spring Boot, Spring Core, Bootstrap, Tensorflow, Keras, OpenCV, PyTorch, ReactJS

Developer Tools: Visual Studio Code, PyCharm, Eclipse, Sublime Text, Linux (Kali and Ubuntu).