

Anirudh Kaushik

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EDUCATION

ARIZONA STATE UNIVERSITY

MS IN COMPUTER SCIENCE

Jan 2021 - | Arizona, USA

GPA: 4.0 / 4.0

BIRLA INSTITUTE OF TECHNOLOGY

BE IN COMPUTER SCIENCE

June 2014 - May 2018 | Mesra, India

CGPA: 7.32 / 10.0

CENTRAL BOARD OF SECONDARY EDUCATION

ALL INDIA SENIOR SCHOOL

CERTIFICATE

March 2012 - May 2013 | Delhi, India

Percentage: 90.4

CENTRAL BOARD OF SECONDARY EDUCATION

SECONDARY SCHOOL EXAMINATION

March 2010 - March 2011 | Delhi, India

CGPA: 9.6/10.0

LINKS

Website: anirudhkaushik10.github.io

Github: [AnirudhKaushik10](https://github.com/AnirudhKaushik10)

LinkedIn: [Anirudh Kaushik](#)

SKILLS

PROGRAMMING

Over 5000 lines:

Java • Python • Javascript • C++ •
Android • Sqlite • HTML • CSS • Git

Frameworks:

• Tensorflow • Numpy • Pandas • scikit •
Android Design frameworks by Google

EXPERIENCE

SAMSUNG RESEARCH INSTITUTE | SOFTWARE ENGINEER

Sep 2018 - Apr 2021 | Noida, India

- Worked as an **Android Developer**, focusing on Samsung video player and Gallery apps supporting multiple android OS and devices. The development work was done completely in **Java** and utilized the Android Design Frameworks by Google.
- Implemented background downloading of the Cloud content in Samsung video player, redesigned the UI for different OS and devices (phones, tablets and Samsung Z) and wrote unit test cases for modules.
- Designed the UI for Samsung Gallery app for Samsung Watch on Android Wear OS as well as implemented auto GIF play and stop feature.
- Mentored interns and fresh recruits in the training of Java and Android fundamentals.
- Was conferred the **"Spot Award"** for the best fresh recruit of the year 2018 in the Multimedia Division.

CENTRE FOR ARTIFICIAL INTELLIGENCE AND ROBOTICS, DRDO (CAIR LAB) | RESEARCH TRAINEE

May 2018 - June 2018 | Bangalore, India

- Completed 6 weeks internship as a **machine learning** research trainee at the CAIR Lab, DRDO - which is a research laboratory under the government of India.
- Worked on a project titled 'Object detection and segmentation by improving Blitznet'. This involved improvement of low resolution drone images by implementing various CNN models (Blitznet and Inception-ResNet) using the **Tensorflow library in Python**.

PROJECTS

(SOURCE CODE FOR THE PROJECTS ARE AVAILABLE AT MY WEBSITE AND GITHUB PROFILE)

EFFICIENT WORKERS FOR DISTRIBUTED MACHINE LEARNING

Reduced communication cost in distributed workers by combining quantization and sparsification techniques on VGG-16 baseline model.

PRIVACY PRESERVING K-MEANS CLUSTERING A 2-party K-means clustering model, where no party wants to reveal any information about their dataset while training or inference.

VOICE BASED EMOTION CLASSIFIER A machine learning model in python which classifies emotion in spoken sentences.

PLATFORM JUMPER GAME A 2D platform jumper game made using Javascript, HTML and CSS.