

# Aakash Kaushik SOFTWARE DEVELOPER

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## PROFESSIONAL EXPERIENCE

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- Samsung R&D Institute India, Research and Development Developer** 01/2022 – present
- Worked on a c++ based solution to allow stitching of multiple video streams so they are perceived as one
  - deployed an end to end solution to demonstrate the same with AWS as the hosting service and an android APP as the client.
- OptimEyes.ai, AI/ML intern** 11/2021 – present
- Working in the field of cyber-security, data-privacy and compliance risk exposure and solving these problems with the help of AI.
- NimbleBox.ai, Software Developer** 10/2020 – present
- Handled projects from R&D and Engineering team which handled prospects of the deployed product (MLOps platform)
  - Worked to improve nimblebox.ai as a platform and R&D project which you can take a look at our GitHub.
- Google Summer of Code 2021, Developer - mlpack** 05/2021 – 08/2021
- Implemented MobileNet v1 and Resnet builder from which all version of ResNet could be constructed.
  - Take a look at the full report.
- Mavoix Solutions, Deep Learning Engineer** 05/2020 – 08/2020
- Created and improved text recognition and image classification models from scratch and exposed them with flask for API calls.

## PROJECTS

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- Models, Open Source Contributor**
- Provides ready-to-use implementations of popular and cutting-edge deep learning models to be used with Mlpack.
- Mlpack, Open Source contributor**
- A fast and modern Machine learning/Deep Learning library written in C++ that also supports binding for the most popular languages such as R, Python Julia, etc.
- Robert Bot, ChatBot**
- Robert is a ChatBot trained on the Cornell movie dialogue Dataset and is able to converse meaningful short sentences with the user.
  - Written in Python with PyTorch and it uses a GRU unit to construct a Seq2Seq architecture with Attention mechanism and uses teacher forcing to train and uses greedy search algorithm to find the best reply to the supplied sentence.
- Slack Helper Bot**
- This is a slack bot that can be integrated in any slack workspace and when given access to cameras can help the members find their lost objects by returning an image of the object the user may have lost.
  - Written in Python and uses mmdetection for the object detection backbone and the python slack API to control the slack bot.
- Object Detector**
- Able to detect a huge variety of objects in any kind of Image and Videos.
  - Written in Python and used PyTorch and single shot detector(SSD-300).

## SKILLS

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Python, C++, PyTorch, Tensorflow, mlpack, Git, Machine Learning and Deep learning, OpenVINO, Docker, GCP, AWS

## COURSES

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- Machine Learning, Stanford University**
- Deep Learning Specialization, deeplearning.ai**
- Google Cloud Platform, Qwiklabs**
- Introduction to Machine Learning in Production, DeepLearning.AI**
- Machine Learning Data Lifecycle in Production, DeepLearning.AI**

## EDUCATION

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**Bachelor of Technology (B.Tech), Computer Science,**  
**SRM Institute Of Science And Technology, Kattankulathur Main Campus** [↗](#)  
CGPA: 9.55/10

2019 – present  
Chennai, India

## ORGANISATIONS

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**Next tech lab, SRMIST, Member** [↗](#)

present  
Chennai, India

- Next Tech is a multi-disciplinary lab founded by MIT alumni; Silver Winner of QS re imagine education.
- Member of McCarthy lab for Artificial Intelligence that deals with research in the field of Computational Biology, Artificial Intelligence and Machine learning.

**Association for Computing Machinery, SRMIST, Vice Chair** [↗](#)

present  
Chennai, India

- Familiar with the duties and responsibilities of the Chairperson, and of the other elected officers and committee chairpersons.
- Responsible for overseeing the activities and progress of the various committee and chapter programs.
- Conduct meetings and workshops hosting distinguished professors.

## BLOG

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<https://medium.com/@kaushikaakash7539> [↗](#)  
<https://iq.opengenus.org/author/aakash/> [↗](#)