

# Aakash Krishna

SOFTWARE DEVELOPER

Coimbatore, Tamil Nadu, India

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## Skills

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### TECHNICAL

Python, Java, SQL, Machine Learning, Artificial Intelligence, Neural Networks, Web-Scraping, Image Processing, Computer Vision

### SOFT SKILLS

Organizing, Leadership, Public Speaking, Teaching

## Education

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### Amrita School of Engineering

Coimbatore, Tamil Nadu

B. Tech in COMPUTER SCIENCE AND ENGINEERING

2015-2019

- Graduated with 9.20 CGPA

### Suguna PIP School

Coimbatore, Tamil Nadu

11<sup>th</sup> and 12<sup>th</sup> GRADE

2013-2015

- Graduated with 96% in 12<sup>th</sup> CBSE exams

### Amrita School of Engineering

Coimbatore, Tamil Nadu

9<sup>th</sup> and 10<sup>th</sup> GRADE

2012-2013

- Graduated with 94% in 10<sup>th</sup> CBSE exams

## Experience

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### Thermo Fisher Scientific

Bangalore, India

Software Development Intern

May. 2018 - July. 2018

- Gained deeper knowledge on Convolutional Neural Networks
- Developed an application in python using neural networks that helped a robotic arm locate and move chemicals

### TCS Innovation Labs

Hyderabad, India

Research Intern in Data and Decision Sciences Team

Jan. 2019 - Jun. 2019

- Did extensive research on Solar PV arrays
- Developed a computerized model of Solar PV modules
- Tested and validated fault detection algorithms on the computerized model
- Helped develop a novel fault detection algorithm

## Projects

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### BlindVision

Python, TensorFlow, Neural Networks, Raspberry Pi

Mar. 2017 — Jun. 2018

- Developed a product that helps navigation of blind people
- Using Computer Vision, Stereoscopic Vision and Object Detection, a 3D environment is made for navigation
- Using this environment, a 3D audio signal is used to give a sense of direction

### Alnstein

Python, Natural Language Processing, Neural Networks

Aug. 2018 - Jan. 2019

- Developed a virtual assistant for university students
- Students can get information on professors like interests, publications, etc., get information about the university, etc.

### mAlncraft

Python, TensorFlow, Neural Networks

Oct. 2017

- Developed a bot that plays Minecraft (a game) on its own
- Using neural networks, the bot is able to navigate the environment of Minecraft

## AnokhaBot

Python TensorFlow, Artificial Intelligence, Natural Language Processing

Sept. 2017

- Developed a chat bot for the annual tech festival for my university
- Users can talk to the bot to find out about events, locations person of contacts, etc.

## Gesture Recognition

Java, Computer Vision, OpenCV

Jan. 2017

- Designed and developed a hand gesture recognition software that controls the brightness and volume of your computer with simple movements of your fingers
- Developed a GUI using Java Swing to use this application with ease

## YouTube Scraper

Java, Web-Scraping, Java Swing

Feb. 2016

- Developed an application that downloads the audio from any YouTube video
- The application has an intuitive GUI for ease of use

## Positions of Responsibility

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### t{know} club

Amrita University

ORGANIZER

2016 - 2018

- Organized multiple coding event, competitions for onboarding students
- Organized and taught at multiple coding workshops

### ASCII Club

Amrita University

Office Bearer

2017

- Helped organize multiple events for our official coding club

## Accolades

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2015 **Best Outgoing Student**  
2015 **Adharsh Vidyarthi**

Suguna PIP School  
Suguna PIP School