

# Arvind Sharma

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## EDUCATION

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### SASTRA Deemed to be University

Bachelor of Technology in Computer Science Engineering

Thanjavur, Tamil Nadu

Expected June 2020

- **Cumulative GPA:** 8.5411
- **Awards & Honors:** Dean's Merit List for Top 10 percent in Academic Year 2016-17, 2017-18, 2018-19; Scholarship for being in Top 400 students in Academics and Discipline in Academic Year 2017-18, 2018-19 ; M-Gyan, Daksh 2019 Final Round
- **Selected Coursework:** Programming in C++, Data Structures, Digital Image Processing, Data Mining and Warehousing, Machine Learning Techniques

## WORK EXPERIENCE

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### Universitat Autònoma de Barcelona

Research Intern, Centre de Visió per Computador

Barcelona, Spain

February 2020 – July 2020

- Exchange Student Program for Final Semester Project.

Selected Project Experience:

- Acquisition of Hyper Spectral Images and Pre-Processing
  - Images are captured using special cameras that allows capturing of Multiple Bands in comparison to normal RGB Images.
  - Pre-Processed the Images to collect Multiple Bands of an Image and form a Band Cube containing information of same Image in different bands.
- Semantic Segmentation Network for Classification
  - Band Cube of an Image and its corresponding Annotated Images is fed to U-Net model.
  - Designed a model that trains on multiple channels to get accurate information of different objects in the Image.
  - Used the trained model to predict for new Images.

### BroadSoft

Intern

Chennai, Tamil Nadu

November 2017 – December 2017

- Got hands on experience with Software Development and different Practices. I was assigned to Development team.
- Created a responsive template using HTML and CSS.

## EXTRACURRICULAR ACTIVITIES

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### Turing Club (Machine Learning Club of SASTRA)

Member

Thanjavur, Tamil Nadu

June 2019 – Present

- Actively Participated in Group Meetings to learn new Techniques.
- Participated in Content Writing and Question Framing for new recruitments.

### SCORE (SASTRA Community Outreach Program)

Member

Thanjavur, Tamil Nadu

August 2016 – Present

- 100 hours of services to give back to Community.
- Went to nearby village to survey rural people to provide them with basic needs and services to help them.

### Computer Society of India

Member

Thanjavur, Tamil Nadu

August 2018 – Present

## ADDITIONAL

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- Cricket player having represented School teams and Club teams in State Level Tournament, Football player having represented School for Inter-School tournament, Follow Badminton, Tennis and Mixed Martial Arts closely.
- Interested in Sketching, Movies and Theater, Photography and Music.