

# Arvind Sharma

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## EDUCATION

### SASTRA Deemed to be University

Bachelor of Technology in Computer Science Engineering

Thanjavur, Tamil Nadu

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, 2019-20;
- **Selected Coursework:** Programming in C++, Data Structures, Digital Image Processing, Data Mining and Warehousing, Machine Learning Techniques

## TECHNICAL SKILLS

**Languages:** Python, Java, C, C++, YAML

**Frameworks/Packages:** NumPy, Pandas, scikit-learn, Tensorflow, Pytorch, NLTK, matplotlib, Docker, Kubernetes, FastAPI, Springboot, Postgresql, Git

**Cloud Platform:** AWS (EKS, EC2, Cloud Formation, ECR, IAM, S3), GCP (GKE, Cloud Vision API)

**Developer Tools:** VSCode, Anaconda, GitLab/Github, Swagger editor, Postman

## WORK EXPERIENCE

### Tata Consultancy Services

Systems Engineer

Chennai, Tamil Nadu

October 2020 – Present

Selected Project Experience:

- Corporate Labs (STIL & CMI Rapid Labs), TCS (July 2021 – Present)
  - Implementation and Documentation of ML use cases in Sales and Technology Innovation Lab (STIL)
  - In Rapid Labs, worked on state of art Machine Learning and Deep Learning models (NLP, Image Processing/Computer Vision, Graph NN) for POCs and use cases for various Clients in Communication Media and Information Unit of TCS.
  - In Rapid Labs, also worked on: DevOps, 5G, Springboot and studied various emerging technologies.
- Telefonica, UK (December 2020 – June 2021)
  - Monitoring of Big Data modules, which provides key insights about the customers.
  - Part of production upgrade Team, took responsibility for Analytics Application's compatibility with upgraded Environment.

### 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
  - Processing and collection of Multiple Bands belonging to different spectral intensities to form an Image Band Cube.
- Semantic Segmentation Network for Classification
  - Trained U-Net model with Band Cube of an Image and its corresponding Annotated Images as Inputs.

### BroadSoft

Intern

Chennai, Tamil Nadu

November 2017 – December 2017

- Got hands on experience with Software Development Life Cycle. Worked under Development team.

## EXTRACURRICULAR ACTIVITIES

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

Member

Thanjavur, Tamil Nadu

June 2019 – July 2020

### SCORE (SASTRA Community Outreach Program)

Member

Thanjavur, Tamil Nadu

August 2016 – July 2020

### Computer Society of India

Member

Thanjavur, Tamil Nadu

August 2018 – July 2020

## ADDITIONAL

- 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, Motor Sports closely.
- Hobbies include Sketching, Movies and Theater, Photography, Music and Books.