



Arun Babu PT
Computer Science & Engineering
 Indian Institute of Technology Bombay

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M.Tech TA
 Male

Examination	University	Institute	Year	CPI/%
Post Graduation	IIT Bombay	IIT Bombay	2021-	-
Graduation	CUSAT	SOE CUSAT	2016-20	8.7
Intermediate/+2	Kerala HSC	EMEA HSS	2013-15	92
Matriculation	SSLC	AMMHS Pulikal	2012	99

B.TECH THESIS & SEMINAR

- **Handwritten Recognition and Generation**
(B.Tech Project | Guide: Dr. Sheena Mathew) (Dec'19 - May'20)
Description:
 - Handwritten Text Recognition (HTR) system implemented with TensorFlow (TF) and trained on the IAM Dataset
 - Implementation of the handwriting synthesis.
- **Introduction to end to end speech translation system**
(B.Tech Seminar | Guide: Prof. Shirin Salim) (July'19-Dec'19)
 - This seminar is a study of Google's new end to end speech translation system called Translatotron.
 - Translatotron is the first end-to-end model that can directly translate speech from one language into speech in another language.
 - This seminar is mainly focussed on study of the model architecture and future works for Translatotron.

COURSE PROJECTS

- **Automatic Essay Grading, (CS 626)** (July'21-Nov'21)
 - The project aims to develop an automated essay assessment system by use of machine learning techniques and Neural networks by classifying a corpus of textual entities into a small number of discrete categories, corresponding to possible grades.
- **Emotion recognition in images and video, (CS 725)** (July'21-Nov'21)
 - Recognition of facial emotion expressions in images and in live video sequences.
- **Block chain based voting system, (CS 699)** (July'21-Nov'21)
 - Blockchain is a disruptive technology of current era and promises to improve the overall resilience of e-voting systems.
 - This project presents an effort to leverage benefits of blockchain such as cryptographic foundations and transparency to achieve an effective scheme for e- voting.

TECHNICAL SKILLS

- **Programming & Scripting Languages:** Python, C, C++, Java, Javascript, HTML, CSS
- **Tools & Libraries:** L^AT_EX, OpenCV, VueJS, Django, MATLAB

WORK EXPERIENCE & INTERNSHIPS

- **Cyber security Intern | Technovally Software India Private Limited** (May'19-July'19)
 - Obtain a working knowledge of monitoring Global Network Intrusion Detection systems, firewalls and Log correlation tools for potential threats.
 - Familiarity working with network switches, routers, and firewalls
 - Focus on current deployment for security posture in database, application, compute, and network

POR & EXTRA-CURRICULARS

- **Teaching Assistant** for the course, CS 218 : Design and Analysis of Algorithms Minor (May'21-Present)
- **Interview coordinator** CUSAT (Dec'19-Jan'20)
- **Hackathon Co-ordinator** at CUSAT, **Make-a-Ton** : Organized by cusat Techfest committee (Dec'18)
- **Relief camp volunteer** Leader of student committee for Flood relief camp held in CUSAT (Oct'19-Nov'19)