

# Curriculum Vitae

## **PERSONAL DETAILS**

---

Name : Avishek Garain  
Date of Birth : August 07, 1999  
Telephone : 8436154826  
Address : 14/14 Joydev Avenue, District - Paschim  
Bardhaman, West Bengal-713205  
Email Id : [avishekgarain@gmail.com](mailto:avishekgarain@gmail.com)  
Languages known: English, Bengali(Native), Hindi, Spanish(Basic)

## **PUBLIC PROFILES**

---

LinkedIn:

<https://www.linkedin.com/in/avishek-garain-2b5369152>

Google Scholar:

<https://scholar.google.com/citations?hl=en&user=ESDY-skAAAAJ>

Github:

<https://github.com/garain>

Researchgate:

[https://www.researchgate.net/profile/Avishek\\_Garain](https://www.researchgate.net/profile/Avishek_Garain)

## **EDUCATION**

---

2017-current

Bachelor of Engineering in Computer Science and Technology, Jadavpur University, Kolkata-700032

2015-2017

All India Senior School Certificate Examination(2017)

Hem Sheela Model School, Durgapur-713214

2015

All India Secondary School Examination

Hem Sheela Model School, Durgapur-14

- Secured National Talent Search Examination(NTSE) Scholarship.
- Secured CGPA 10 in all subjects.
- Secured state rank 2 in Science Olympiad organised by Science Olympiad Foundation(SOF)

## **EXPERIENCE**

---

17 May – 13 July 2020

Associate, NLU/SRI-Bangalore/Samsung Electronics

- Worked with SRIB NLU Team and handled RuleEngine IDE project.
- Developed an IDE to check and validate grammar files and run against RuleEngine Test Cases.
- Worked on creating VSCode Extensions for handling the whole workflow.

August 2018 – Present

Undergraduate Research Assistant, JU NLP Lab, Jadavpur University

- Under the guidance of Dr. Sudip Kumar Naskar

July 2018 – Present

Undergraduate Research Assistant, Alpha Lab, Jadavpur University

- Under the guidance of Dr. Dipankar Das

## **COMPUTER SKILLS**

---

Languages: Python , C++ , C , Java , JavaScript, TypeScript, HTML, XML, CSS

Deep Learning: Keras, Tensorflow, CUDA

Tools & Libraries: OpenCV, NetworkX, Nltk , Librosa, Gephi, Streamlit, Flask, VS Code Extensions, LaTeX, Stanford Core NLP

## **PROJECTS AND PUBLICATIONS**

---

- Sentiment Analysis  
Currently pursuing a project on multi-target based sentiment analysis.
- Annotation tools  
Developed two annotation tools with realtime database update capabilities (Firebase api) and accessible from any place via Internet.
- Discourse Analysis  
Pursued a project on discourse analysis developed on reddit data, by using graphs and Sentiment analysis and submitted in the premiere conference EMNLP2020 for publication.
- Clustering Methods  
Made a new clustering algorithm based on K-Means algorithm published in Procedia Computer Science Journal named K-RMS Algorithm. [Paper](#)
- Word Difficulty Prediction  
Developed a deep learning model for word difficulty prediction presented in the IEEE R-10 conference TENCON 2019 and paper published at [Paper](#).
- Smart India Hackathon 2019

Grand finalists where developed a Doctor's handwriting detection application with contribution in the NLP section of the app.

- Machine Learning Metrics Visualizer App  
Developed a web app hosted using Heroku for visualizing result metrics for 9 types of Machine Learning algorithms for any custom dataset provided by user.
- Normalization techniques  
Normalization of Numeronyms using NLP Techniques  
Avishek Garain, Sainik Kumar Mahata, Subhabrata Dutta  
[Paper](#)
- Shared Tasks
  1. Stood 4<sup>th</sup> in SemEval task 5 out of competing participants and paper published at [Paper](#) . Our paper for SemEval task 6 got selected too and published at [Paper](#) .
  2. System submitted at HAHA-2019(Humor Analysis) [Paper](#) and TASS-2019(Spanish Seniment Analysis) [Paper](#) organized by SEPLN published in CEUR-WS proceedings .
  3. System submitted at FACT 2020(Factuality Classification Task) for Spanish texts.

## CERTIFICATIONS ---

- Coursera
  1. Deep Learning Specialization (Credential ID: NHB64V7LJ74K): Consists of 5 courses related to deep learning.
  2. Mathematics for Machine Learning Specialization by Imperial College, London( Credential ID: THVUN6TEKFED)
  3. 10 projects based on Deep Learning and Natural Language Processing
- LinkedIn Learning
  1. 15 courses ranging from topics like Linux, Computer Vision, Deep Learning to using Amazon Sagemaker and language like Typescript.

## INTERESTS ---

- Fine Arts & Photography

I am quite passionate about Painting and have completed my 5<sup>th</sup> Year degree in Painting too.

I am passionate about photography too and presently learning styles of photography by eminent personalities.

## ACTIVITIES ---

### Competitions

- Represented University in Innovation 2019 by Confederation of Indian Industry, displaying our developed medical data extraction app.

- Grand Finalists in Smart India Hackathon 2019
- Selected in Call for Idea Contest and for study visit in Germany (funded by DAAD)

#### Workshops attended

- Goldman Sachs workshop(2019)
- Deep Learning Workshop by NVIDIA in KSHITIJ,IIT Kharagpur(2018)
- AI workshop by Microsoft in KSHITIJ,IIT Kharagpur(2018)
- NIVT Data Science workshop(2017)
- Cyber Security Workshop by INDIAN CYBER SECURITY SOLUTIONS

#### Coordinator(2017-present)

- Jadavpur University Entrepreneurship-Cell(2017-19)
- Jadavpur University Science Club(CFO)
- Jadavpur University Photographic Club(CFO)
- Jadavpur University Painting Club
- TED<sup>x</sup> Jadavpur University
- JUMUN(JU Model United Nations)
- Organizing member of The Foundry Photojournalism Workshop 2019

#### Sports

- Won Inter Departmental Football Tournament(2017)
- Gold medal in Inter Class Basketball Tournament(2016)

#### Painting

- Gold medal in Poster competition in University(2017)
- Silver Medal in Camel Colour Contest(2015)

## **REFEREES**

---

- Dora Pavan Kumar  
Chief Engineer, Speech Recognition & Natural Language Processing  
Email Id: [pavan.dk@samsung.com](mailto:pavan.dk@samsung.com)  
Phone: 9538961641
- Dipankar Das  
Assistant Professor, Computer Science and Engineering Department,  
Jadavpur University, Kolkata-700032  
Email Id : [dipankar.dipnil2005@gmail.com](mailto:dipankar.dipnil2005@gmail.com)  
Phone : 8420087244
- Jen Storey  
Program coordinator/Foundry Photojournalism Workshop  
Email Id : [foundryjenandbev@gmail.com](mailto:foundryjenandbev@gmail.com)  
Phone : 1-801-800-7999