

# Amartya Chakraborty

Enthusiastic learner looking to join academics  
UGC NET qualified

D.O.B: 3rd October, 1994

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Online CV: [click here](#)

## Work Experience

- **Techno India University** Kolkata, India  
*Technical Assistant* August 2018 - present
- **Jadavpur Vidyapith** Kolkata, India  
*Computer Faculty* March, 2018 to August, 2018

## Education

- **Jadavpur University** Kolkata, India  
*Master of Technology in Computer Science and Engineering* 2020  
Specialization - Computer Technology  
DGPA
- **West Bengal University of Technology (now MAKAUT)** Durgapur, India  
*Bachelor of Technology in Computer Science and Engineering* 2017  
Dr. B.C. Roy Engineering College  
DGPA - 8.22
- **Higher Secondary** Durgapur, India  
*West Bengal Council of Higher Secondary Education (WBCHSE)* 2013  
Bidhan Chandra Institution, Durgapur  
Percentage - 73.6
- **Indian Certificate of Secondary Education (ICSE)** Durgapur, India  
*Council for the Indian School Certificate Examinations (CISCE)* 2011  
St. Xaviers' School, Durgapur  
Percentage - 87

## Project / Thesis

- **Title:** "Low-cost Wearable Sensor System for Human Walk Activity Recognition" 2020  
**Supervisor:** Dr. Nandini Mukherjee, Professor, Department of CSE, JU  
**Institution:** Jadavpur University, Kolkata
- **Title:** "Human activity recognition system using low cost sensors" 2017  
**Supervisors:** Prof. Arindam Ghosh, BCREC & Dr. Sujoy Saha, NITDGP  
**Institutions:** Dr. B.C. Roy Engineering College & National Institute of Technology, Durgapur

## Internship

- **Title:** "Modelling and Design of Human Activity Recognition System using Low-cost Sensors" 2017  
**Project:** "Post Disaster Situation Analysis and Resource Management using Delay-Tolerant Peer-to-Peer Wireless Networks" (DISARM)  
**Funded by:** Media Lab Asia/Information Technology Research Academy (ITRA), MCIT, Govt. of India  
**Supervisor:** Dr. Sujoy Saha, Professor, Department of CSE, NITDGP  
**Institution:** National Institute of Technology, Durgapur

## Publications

- Ghosh, A., Chakraborty, A., Chakraborty, D., Saha, M., & Saha, S., 2020  
"HumanSense: a framework for collective human activity identification using heterogeneous sensor grid in multi-inhabitant smart environments"  
*Personal and Ubiquitous Computing, Springer*  
DOI: [doi.org/10.1007/s00779-020-01402-6](https://doi.org/10.1007/s00779-020-01402-6)

- Banerjee S., Mondal S., Chakraborty A., & Chattaraj S., 2020  
**“Global Positioning System Based Automated Railway Level Crossing”**  
*2020 International Conference on Computer, Electrical & Communication Engineering (ICCECE)*
- Ghosh, A., Chakraborty, A., Chakraborty, D., Saha, M., & Saha, S., 2019  
**“UltraSense: A non-intrusive approach for human activity identification using heterogeneous ultrasonic sensor grid for smart home environment”**  
*Journal of Ambient Intelligence and Humanized Computing, pp.1-22., Springer*  
*DOI: doi.org/10.1007/s12652-019-01260-y*
- Chakraborty, A., Karmakar, S., Chattaraj, S., 2019  
**“Machine learning based Indian spam recognition”**  
*TIU Transactions on Intelligent Computing (TIUTIC), pp. 10-16, Volume - 3*  
*DOI: doi.org/10.13140/RG.2.2.13055.84640*
- Ghosh, A., Sanyal, A., Chakraborty, A., Sharma, P.K., Saha, M., Nandi, S. and Saha, S., 2017  
**“On Automatizing Recognition of Multiple Human Activities using Ultrasonic Sensor Grid”**, *9th International Conference on COMMunication Systems and NETworks (COMSNETS), Bangalore*  
*DOI: doi.org/10.1109/COMSNETS.2017.7945440*

### Additional Qualifications

- Common European Frame of Reference (CEFR) Level C1 in English Proficiency, certified by the *British Council* March, 2020
- UGC National Eligibility Test (NET) qualified for Assistant Professor December, 2019
- B.Music in Hawaiian Guitar (Rabindra Sangeet) 2017

### Presentations / Achievements

- Invited Speaker at Live Session on “Online Safety and Security” organized by Jadavpur Vidyapith IT Department NSQF August, 2020
- Invited speaker at All - India Seminar organized by The Institution of Engineers April, 2017
- Paper presented at 9th International Conference on COMMunication Systems and NETworks (COMSNETS) January, 2017

### Declaration

I hereby attest that all information furnished here is true to the best of my knowledge