

# SHAHRIAR BULBUL

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## ABOUT ME

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**Technical Skills** C/C++, Python, Java, Matlab, Bootstrap, OpenCV, MySQL,  $\text{\LaTeX}$   
**Languages** Fluent in English; Conversational Proficiency in French  
**Paradigms** Object Oriented Programming, Functional Programming, Web Development, Deep Learning  
**Environments** Agile, Scrum, GitHub, Google Workspace

## VOLUNTEERING EXPERIENCE

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### IEEE BUP STUDENT BRANCH

Chairperson, Excom 2020

Bangladesh University of Professionals (April 2020)

- Organized and hosted a number of workshops and volunteered for the international IEEE conference ICICT4SD.
- Organized month-long programming training for IEEE Xtreme along with professional trainers.
- Co-operated and funded a number of activities for the Covid affected and distressed.

### IEEE BUP STUDENT BRANCH

Asst. General Secretary, Excom 2019

Bangladesh University of Professionals (April 2019)

- Organized and anchored the flagship event 'BranchFest' under the hood of IEEE BUP.
- Retained the highest number of participants and Lead the membership development team.
- Participated in the national congress and was honored remittance for membership retention.

## AWARDS & RECOGNITION

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### BUP Merit Scholarship

(July 2017)

- Awarded with a merit scholarship for retaining the highest GPA (3.94/4.00) and topping the class.
- Awarded with a scholarship every semester for retaining the academic position.

### International Collegiate Programming Contest

(November 2018)

- Competed in the online round of ACM ICPC 2017, ICPC 2018 and ACM NCPC 2017.
- Qualified for the National Round (onsite) for ACM ICPC 2018 and finished with a rank of 171.
- Participated a number of programming all around the country organized by the ACM aspirants.

## RESEARCH WORK

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### Computer Vision

- Developed quantitative strategies and applied them for efficient video compression by exploiting frame prediction using Machine Learning.
- Developed a quality video testing standard comparing the Expert Opinion with Eye Tracker Recorded Data (ETRD) and Graph based Video Saliency (GBVS).
- Determined the Region Of Interest Using GBVS Salient Points and ETRD Data and compared accuracy.

## EDUCATION

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### Bangladesh University of Professionals

Mirpur Cantonment, Dhaka (2021)

- B.Sc in Information and Communication Engineering
- Cumulative GPA: 3.84/4.00
- Honors: Dean's Honours List

### Square School & College

Pabna District, Pabna (2016)

- Higher Secondary Certificate (HSC)
- Grade Point Average: 5/5

### Square School & College

Pabna District, Pabna (2014)

- Secondary School Certificate (SSC)
- Grade Point Average: 5/5