

# Arshdeep Singh

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## EDUCATION

### **BITS PILANI, KK BIRLA GOA CAMPUS**

#### **B.E. IN COMPUTER SCIENCE**

Expected May 2021 | Goa, India

Events Coordinator, BITS Festival Committee

Technical Core, Dept. of Backstage and Infrastructure

Member, AlgomaniX(Coding Club)

Cum. GPA: 8.67 / 10.0

### **BCM ARYA MODEL SR. SEC. SCHOOL**

#### **NON-MEDICAL**

Grad. March 2017 | Ludhiana, India

Secretary of School's Programming Club

Member of Student Association

Participated in various city level programming, quiz and sports competition

Percentage: 93.2%

### **TAGORE INTERNATIONAL SR. SEC. SCHOOL**

#### **MATRICULATION**

Grad. March 2015 | Sahnewal, India

Won Academic Excellence Award for consecutive 4 years of my study here

Student Body President for 2 years

Founder of Maths Club

Participated in various City and State level

Presentation, Maths, Science and Public Speaking

Participated in Sports(Basketball, Handball, VolleyBall) Competition

CGPA: 10 / 10

## COURSEWORK

• Computer Programming(Grade: A)

• Linear Algebra and Complex

Analysis(Grade:A Course Topper)

• Mathematics I (Grade: A-)

• Probability and Statistics(Grade: B)

• Python-QSTP(Excellence)

• Image Recognition-QSTP(Excellence)

• Computer Network Management(NetTech)

## SKILLS

Python • Java • C++ • MySQL • PyTorch

C • Git and Github • HTML • CSS

Sklearn • Algorithms • Data Analysis

Swing • Numpy • Networking

## WORK EXPERIENCE

### **BIOP INDIA | AI RESEARCHER AND SOFTWARE DEVELOPER**

July 2018 - PRESENT

- Using ML to improve environmental parameter selection for BioP V3.
- Software Developer for BioP v2.

### **SYMPY | OPEN SOURCE CONTRIBUTOR**

June 2018 - PRESENT

- Contributed to SymPy, a Python library for Symbolic Mathematics

## PROJECTS

### **DEEP LEARNING | BENCHMARKING FASHION MNIST DATA SET USING DL ALGORITHMS AND PYTORCH**

June 2018 - PRESENT

- Using different Neural Networks such as CNN, FNN, RNN and LSTM in PyTorch benchmarked FashionMNIST data set.

### **SPACE INVADERS | ARCADE BLOCKBUSTER SPACE INVADERS GAME WRITTEN IN PYTHON USING PYGAME**

May 2018 - June 2018

- Made a Python based PC game inspired from Arcade Blockbuster Space-Invaders using Pygame

### **VEDA-THE-DEVA | ONLINE PORTAL FOR VEDIC ARTS**

Nov 2015 - Feb 2016

- Participated in UTS International IT Competition 2015/16 and achieved 3rd rank all over India.

### **KBC GAME | JAVA SWING BASED DIGITAL KON BANEGA CROREPATI GAME**

Nov 2015 - Feb 2016

- Made using Java and Swing, Computer Game replica of All India Famous KBC along with features such as Cheque Signed by Amitabh Bachan and various other Fun Elements.

## ACHIEVEMENTS

April 2018

Selected as Events Coordinator at BITS Festival Committee

Jan 2018

Awarded MCN Scholarship for Academic Excellency

May 2017

Got AIR 5718 in JEE Mains

May 2017

Got 375/450 in BITSAT

Sept 2015

Selected as Secretary of School's Programming Club

Sept 2014

Selected as the Student Body President for Junior Section

Jan 2012-15

Awarded as the Student of the Year for 4 years

Jan 2012-15

Awarded the Academic Excellence Award for 4 years