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

PROJECTS

BIOP INDIA | AI RESEARCHER AND SOFTWARE DEVELOPER
July 2018 - PRESENT
- Using Machine Learning 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