



Shivam Pandey (s/o Capt. Santosh Pandey)

School of Mathematics and Computer Science

3rd Year Undergraduate (B.Tech)

Indian Institute of Technology Goa

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Education

• Indian Institute of Technology Goa

Bachelor of Technology in Computer Science and Engineering (CSE)

August 2016 - May 2020 (currently underway)

CPI : 7.74

• Pace Junior Science College, Nerul, Navi Mumbai

XII (MSBSHSE - Maharashtra State Board)

April 2014 - March 2016

Percentage : 93.4%

• Ryan International School, Sanpada, Navi Mumbai

X (CBSE)

April 2013 - March 2014

Percentage : 95% (10 CGPA)

Key Skills

- Highly organized working skills and innovative thinking ability.
- Always willing to take responsibilities and complete the job with meticulous care.
- Mature and logical approach to problems faced in challenging tasks, and devising a better problem-solving method.

Technical Skills/Interests

- Programming Languages : C++, Python 3, JavaScript, HTML/CSS, MATLAB/Octave, Qt/C++ (GUI Framework), Node.JS, React.JS, LaTeX, BASH, Haskell, VHDL, Verilog, Objective-C, AWK, SWIFT 4.0
- Database : MySQL, Mongo DB
- Machine Learning Algorithms - Linear/Logistic Regression, Gaussian Discriminant Analysis, Support Vector Machine (SVM), Unsupervised Clustering (K-Means/Agglomerative), Gaussian Mixture Models
- Deep Learning Algorithms - Feed-forward NN, CNN, RNN (LSTM/GRU)

Projects/Internships

Precision Agriculture (Undergraduate Research Internship)

MAY 2018 - JUNE 2018

Dr. Clint P. George, Asst. Professor, IIT Goa

The project encompasses building a theoretical model using machine Learning (ML) techniques to find out prime factor affecting a crop's yield, to achieve sustainable agriculture.

Position of responsibility

Chairman, IIT Goa ACM Student Chapter

NOVEMBER 2018 - PRESENT

Accountable for developing chapter programs, for ensuring that plans and assignments are carried out, and for seeing that the chapter fulfils its obligations to the Association.

Teaching Assistant, CS-101 (Fall 2017)

AUGUST 2017 - NOVEMBER 2017

I was the Teaching Assistant (TA) for the course CS-101 (Computer Programming and Utilization) under Prof. Abhiram Ranade, Professor in Department of Computer Science and Engineering at Indian Institute of Technology, Bombay(IIT Bombay). My job was to help my juniors in understanding the programming concepts and make them familiar with a particular computer programming language; namely for CS-101, we used C++.

Student Mentor

AUGUST 2017 - APRIL 2018

I was appointed as the Student Mentor at my institute under SMP(Student Mentorship Programme). Amongst my juniors(2017-2021 batch), I was given the responsibility of 10 of them. My job was to guide them through the semester courses and curriculum and also, make them comfortable and familiar with institute culture and norms. I got really nice appreciations from my juniors.

Institute Music Secretary

APRIL 2017 - APRIL 2018

I served as the "Institute Music Secretary" for the academic year 2017-2018. I initiated the Music Club at IIT Goa and also, worked to establish a music culture at IIT Goa.

Achievements

Academics/Non-Academics

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- AIR - 2086 in JEE Mains 2016
 - AIR - 4123 in JEE Advanced 2016
 - AIR - 91 in UPES-EAT 2016
 - AIR - 934 in SRMJEE 2016
 - AIR-41 in IMU CET 2016
 - Secured 2nd rank (Silver Medal) in IOM (International Olympiad of Mathematics) in Class-IX (at School-level)
 - Qualified Pre-RMO (Regional Mathematical Olympiad) in Class-IX and Class - X

Extra-curricular Activities

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- “Vishisht Sewa Samman” Trophy at Dubai, in April 2009 , in Singing for a noble cause by the Ruler of UAE.
 - “Best Actor Award” by the hands of pre-eminent actor “Johnny Lever” in 10th ICFPA (International Children’s Festival of Performing Arts) at New Delhi, 2009.
 - 3rd Place at “Indian Spiritual Idol” in classical singing , at Belapur, Navi Mumbai.
 - Professional Coaching for 9 years in “Hindustani Classical Singing” at Gandharva University of Music, Vashi.
 - Acted in TV commercials and serials.
 - Represented IIT GOA in AAVHAN-2017 at IIT Bombay in Badminton.
 - Represented IIT GOA in AAVHAN-2018 at IIT Bombay in Badminton.
 - Represented IIT GOA in INTER-IIT 2017 at IIT Madras in Badminton.