

# Anmol Panda

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## EDUCATION

### **BITS PILANI**

**B.E. HONS. IN COMPUTER SCIENCE**  
July 2016 | Goa, India  
Cum. GPA: 8.1/10

### **ERASMUS EXCHANGE STUDIES**

Aug '15 - Jan '16 | Uppsala, Sweden  
Dept. of Information Technology,  
Uppsala University

### **ST. FRANCIS D'ASSISI**

Grad. May 2010 | Mumbai, India

## COURSEWORK

### **UNDERGRADUATE**

Effective Public Speaking  
International Relations  
Development Studies

### **COURSERA**

Statistics with R specialization (ongoing)

## SKILLS

### **PROGRAMMING**

Over 5000 lines:

Java • Shell • Python •  $\text{\LaTeX}$  • C

Over 1000 lines:

R • C++ • C# • PHP • Assembly •

JavaScript

Familiar:

P4 • Android • MySQL • CUDA •

OpenCL

### **ACHIEVEMENTS**

2015 Erasmus scholarship for exchange studies

2014 Mitacs Globalink Internship

2013 Best Persuasive Speaker, EPS  
(class of 60 students)

2009 Best Student Award, High school

2009 School Captain, High school

## COMMUNITY SERVICE

### **ABHIGYAAN**

- Taught mess workers basic and high school level mathematics for five semesters, an hour at night, twice a week.
- Organized community events like Children's Day for children of security guards and faculty, sporting events for mess workers and donation drives.

## RESEARCH

### **MICROSOFT RESEARCH INDIA | RESEARCH FELLOW**

June 2018 - present | Bengaluru, India

- Working with Joyojeet Pal in the Technology for Emerging Markets (TEM) group, I have built a database of tweets of >18500 Indian politicians >8000 US politicians using a combination of web-crawling, machine learning and human annotation. We have studied myriad aspects, including
- Differing consequences of using extreme speech to politicians and private citizens on social media platforms
- Use of @ mentions of party leader in Indian elections and benefits to candidate
- Spatio-temporal topical friendships between entities in hashtags posted by two major political parties during Indian elections

### **IIT DELHI | SENIOR PROJECT ASSISTANT**

Aug 2016 - June 2018 | New Delhi, India

- Worked with Prof. Sorav Bansal to develop compiler optimizations in software packet processing pipelines by leveraging memory level parallelism giving up to 280 pc improvement in packet through put.

### **GPU VERIFICATION TOOLS | UNDERGRADUATE RESEARCHER**

Jan 2016 - May 2016 | Uppsala University, Sweden / BITS Pilani, Goa, India

- The thesis involved a survey of existing GPU verification tools, namely GPUVerify and GKLEE to assess their use cases and their usability and learn-ability aspects. It thesis was published in the IEEE conference of Parallel and Distributed Grid Computing at JUIT, Wajnaghat, HP, India.

## PROJECTS

### **MITACS GLOBALINK RESEARCH INTERNSHIP | GLOBALINK RESEARCH INTERN**

May 2015 - Aug 2015 | Prince George, BC, Canada

- Worked under the supervision of Dr. Alex Aravind along with Vignesh Muralidharan at the University of Northern British Columbia to assess the viability, accuracy and efficiency of four GPS-free de-localization algorithms to find positions of mobile bots.
- Goal of the project was to use robots to automatically seed farms.

## POSITIONS

### **CENTER FOR TECHNICAL EDUCATION | INSTRUCTOR**

Aug 2014 - May 2015 | BITS Pilani, Goa, India

- Taught OOP concepts in the first module of two courses - Application Programming in C# and Introduction to Programming in Java - in two separate semesters to a class of 20 - 22 students, along with two other instructors.

### **TEACHING | TEACHING ASSISTANT**

Aug 2013 - May 2015 | BITS Pilani, Goa, India

- Effective Public Speaking: Presented sample speeches for two different sections (120 students) and mentored students to improve oral communication skills along with one more TA.
- Microprocessors - Programming and Interfacing: Prepared solutions along with three more TAs for tutorial sessions and resolved queries of students in a class of 120.