Anmol Panda

https://anmolpanda.github.io/
anmol.panda777@gmail.com | +91 7507106309

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
Real Time Systems + Practicum
Microprocessor - Programming and Interfacing
Graph Theory
Human Computer Interaction
Effective Public Speaking

SKILLS

PROGRAMMING
Over 5000 lines:
Java • Shell • Python • LaTeX
Over 1000 lines:
C • C++ • PHP • Assembly • JavaScript
Familiar:
Android • MySQL • CUDA • OpenCL

ACHIEVMENTS
2015 Erasmus scholarhship for exchange studies
2014 Mitacs Globalink Internship
2013 Best Persuasive Speaker, EPS (class of 60 stduents)
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 vents for mess workers and donation drives.

RESEARCH

IIT DELHI | Senior Project Assistant
Aug 2016 - present | New Delhi, India
- Worked under the guidance of Prof. Sorav Bansal on memory level parallelism (MLP) primarily in C and Bash scripting to find the number of memory accesses that can be serviced in parallel by the memory subsystem of a given machine.
- Wrote the code for the join of lookup tables of the l2l3-ACL benchmark application and profiled the same to theorize about the gains that joining provides
- It is a part of a project to write an optimized compiler that can efficiently process packets in the network stack by harnessing MLP, I/O optimization and out-of-order execution of CPU instructions.

GPU VERIFICATION TOOLS | Undergraduate Researcher
Jan 2016 – May 2016 | BITS Pilani, Goa, India
- The thesis involved a survey of existing GPU verification tools, namely GPUVerify and GKLEE to assess their use cases, kernel bugs like data races and divergent barriers that they reported, and lastly, their usability and learn-ability aspects.
- The thesis was presented on Department day at BITS Goa and a paper based on the same was published in the IEEE conference of Parallel and Distributed Grid Computing at JUIT, Waknaghat, 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
- Technical Report Writing (2 semesters): Graded quizzes, assignments and mentored students to improve written communications skills
- 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.