

Akshit Arora

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EDUCATION

THAPAR UNIVERSITY

BENG IN COMPUTER SCIENCE

Expected May 2017 | Patiala, India

Cum. GPA: 8.2/10.0

Major GPA: 9.7/10.0

S.S.D.P.S.

HIGHER SECONDARY IN PHYSICS,

CHEMISTRY AND MATHS

Grad. Apr 2013 | Jalandhar, India

Class X: 9.4/10.0

Class XII: 92.8%

LINKS

GitHub:// [akshitarora](#)

LinkedIn:// [akshitarora1995](#)

Twitter:// [@AkshitArora1995](#)

500px:// [akshitarora](#)

Tumblr:// [aarora](#)

Flickr:// [akshitarora](#)

COURSEWORK

UNDERGRADUATE

Currently Pursuing:

Data Mining

Software Engineering

Theory of Computation

Advanced Data Structures

Completed:

Analysis and Design of Algorithms

Data Structures

Database Management Systems

Analysis and Design of Information

Systems

Linux Apache MySQL PHP (LAMP)

Operating Systems

Principles of Programming Languages

Object Oriented Programming

C Programming

SKILLS

PROGRAMMING

Over 5000 lines:

PHP • C • C++

Over 1000 lines:

Python • CSS • Shell • JavaScript •

MySQL

Familiar:

Java • \LaTeX • Matlab

RESEARCH EXPERIENCE

APPLIED COGNITIVE SCIENCE LAB, IIT MANDI | RESEARCH INTERN

June 2015 - Present | Mandi, Himachal Pradesh, India

- Developed a web-based research tool. Interactive Landslide Simulator (I.L.S.) to balance public risk perceptions and how people at risk could adapt to and mitigate the landslide problem in their neighborhood.
- Working under the guidance of Dr. Varun Dutt and Pratik Chaturvedi at Applied Cognitive Science Lab, Indian Institute of Technology (IIT), Mandi
- Used palisade decision tools on MS Excel to run simulations on different mathematical models for I.L.S. Analysed 5 years of raw rainfall data.
- Created a website using PHP and MySQL at back end and libraries like Impress JS, HighCharts and Bootstrap at front end.
- Working on a full paper. Abstract accepted at:
 - 7th International Conference on Applied Human Factors and Ergonomics (Jul 27-31 2016, Orlando, FL, USA)
 - 9th International Geographical Union Conference (Mar 18-20 2016, New Delhi, IN)
 - 25th Convention of National Academy of Psychology 2015-16 (Feb 2-5 2016, Allahabad, UP, IN)

PROJECTS

INTERACTIVE LANDSLIDE SIMULATOR

<http://pratik.acslab.org> | June 2015 - July 2015

Developed as a part of research internship at Applied Cognitive Science Lab, Indian Institute of Technology, Mandi (India).

PH.D. PORTAL

beta version | Aug 2015 - Dec 2015

Developed for department of Computer Science and Engineering at Thapar University using PHP, MySQL and Bootstrap in a team of 3 students under guidance of Dr. Prateek Bhatia (View project on GitHub)

IAP TRAINING PORTAL

beta version | Jan 2016 - Present

Developed for department of Mechanical Engineering at Thapar University using CodeIgniter 3.0 in a team of 4 students under guidance of Dr. Ajay Batish (GitHub)

COURSE PROJECTS

- Image Segmentation using Otsu's Method [Report] [PPT] [GitHub]
- Souvenir's Booth (C++, Python) [Report] [Presentation] [GitHub]

CO-CURRICULAR ACTIVITIES

- Blogging: Playground, blog hosted on GitHub pages and generated using Jekyll.
- International Forum for Leadership and Sustainability: Organized events on campus to promote concept of sustainability amongst future engineers. Currently managing operations at Patiala Chapter.
- Career Guidance and Personal Counselling Cell: Organized events for career advice. Set up personal counselling sessions with students. Developed website for the society.
- Photography: Keen photographer. Update my work regularly on 500px.