

Saksham Sharma

<http://acehack.org> sakshams@cse.iitk.ac.in

EDUCATION

INDIAN INSTITUTE OF - TECHNOLOGY KANPUR

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

2014-Present | CPI: 10.0/10.0

D.A.V. PUBLIC SCHOOL

SENIOR SECONDARY GRADE 12

Overall: 97.6%

LINKS

Github:// [sakshamsharma](#)

LinkedIn:// [saksham-sharma](#)

COURSEWORK

Data Structures and Algorithms (A*)

Computer Organization (A*)

Introduction to Programming (A*)

Tools for Computing (A*)

Computer Systems Security (A)

Discrete Mathematics (A)

Abstract Algebra (A)

Logic in Computer Science (A)

Probability and Statistics (A)

(A* grade for exceptional performance)

SKILLS

PROGRAMMING LANGUAGES

C/C++ • Scala • Python • Haskell • Java

• Lisp • x86 Assembly

WEB DEVELOPMENT

Node.js (with Express.js) • JavaScript •

TypeScript • Dart • Angular • Scala (with Akka)

OPERATING SYSTEMS

Gentoo Linux • Arch Linux • Ubuntu •

Microsoft Windows

UTILITIES

Emacs and Vim both • Git • GDB • Shell

Utilities in Linux • LaTeX

PLATFORMS

Windows Phone, Kinect, Arduino

INTERESTS

Computer Systems Security

Programming Languages and

Approximation

Open Source

Functional Programming

Web Development

Linux system administration

AWARDS

2014-16 **Institute Rank 1**, IIT Kanpur (CPI of 10.0 all 4 Semesters)

2014 **All India Rank 10**, JEE Mains, among 1.5 million candidates

2014 **All India Rank 138**, JEE Advanced, among 150,000 candidates

2015 Academic Excellence Award IIT Kanpur

2014 Aditya Birla Group Scholarship awardee

2014 Kishore Vaigyanik Protsahan Yojana (KVPY) Scholar

2010 National Talent Search (NTS) Scholar

2012,13 National top 400 in National Standard Examination in Physics twice

EXPERIENCE

DEVELOPMENT INTERN under DoFA IIT Kanpur, Prof. Manindra Agarwal
May'15 - July'15

- Was adjudged as one of the best interns while being a freshman.
- Worked on a large scale web application with an extensive technology stack, in a team setup, comprising of code reviews, documentation, management, among other things.

COORDINATOR Programming Club | Apr'16 - Present

- Rewrote, deployed and populated the Programming Club website pclub.in
- Helped organize the Science and Technology Council Summer Camp '16

RESEARCH

CORNELL ROBOT LEARNING LAB | HEAD UNDERGRAD RESEARCH

Jan 2014 – Present | Ithaca, NY

Worked with **Ashesh Jain** and **Prof Ashutosh Saxena** to create **PlanIt**, a tool which learns from large scale user preference feedback to plan robot trajectories in human environments. Publication submitted.

CORNELL PHONETICS LAB | HEAD UNDERGRADUATE RESEARCHER

Mar 2012 – May 2013 | Ithaca, NY

Lead the development of **QuickTongue**, the first ever breakthrough tongue-controlled game with **Prof Sam Tilsen** to aid in Linguistics research. Publication submitted.