

Shubham

Indian Institute of Technology, Patna

EDUCATION

Bachelor of Technology *Graduating May, 2017*
Computer Science and Engineering
Indian Institute of Technology, Patna
Current CPI : **9.87**

Intermediate *Graduated May, 2013*
Central Board of Secondary Education
Hans Raj Model School, New Delhi
Percentage : **95.0/100**

Matriculation *Graduated May, 2011*
Central Board of Secondary Education
Delhi Public School, Patna
CGPA : **10/10**

ACHIEVEMENTS

Ranked **1st** in the **Dept. of Computer Science and Engineering**, IIT Patna and **1st** in 2013 Batch.
Secured **42nd** rank in **ACM ICPC regionals onsite** IIT, Kharagpur and **84** in **ACM ICPC regionals on-line**.

Awarded **Certificate of Excellence** from Dr. Partha Pratim Chakraborty, Director IIT Kharagpur.

Secured **56th** rank in **Technothon'10** IIT Guwahati.

Secured **4445th** rank in **IIT Jee Advance 2013**.

TOPICS OF INTEREST

Competitive Programming, Machine Learning, Algorithms and Data Structures, Software Engineering, Web/Android Development

TECHNICAL SKILLS

C/C++ Java Kaldi PERL Shell MIPS Javascript MySQL Android Git/GitHub HTML

LINKS

CodeChef Account
Hackerrank Account




POSITIONS OF RESPONSIBILITY

Core Committee - Anwesha 2015
Coordinator April 2015 - Present

NJACK : The Computer Science Club - IIT Patna
EduShops Coordinator April 2015 - Present

Organizing Committee - Anwesha 2015
Sub-Coordinator May 2014 - January 2015

NJACK : The Computer Science Club - IIT Patna
Android Sub-Coordinator July 2014 - March 2015

 [LinkedIn Profile](#)
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 shubham.ee13@iitp.ac.in

WORK EXPERIENCE

May 2015 - July 2015
Indian Institute of Technology, Kharagpur
Automatic Speech Recognition

- Intern under **Dr. Soumyajit Dey**, the aim of the project was implementation of **parallelism** in **HMM-DNN** based state-of-the-art **ASR** Toolkits
- Analysed various **software** and **hardware optimizations** for porting kaldi in simple embedded systems
- Accumulated results for various **decoding algorithms** in toolkits

Dec 2014 - Jan 2015
Indian Institute of Technology, Patna
Anwesha Android App

- Developed the **first official android app** for Anwesha.
- Published the app on Google Play Store [link](#)

ACADEMIC PROJECTS

Jan 2015 - April 2015
Hardware Project : 4-bit CPU

- Implemented a **4-bit cpu** executing basic **logical, arithmetic, control** and **memory** operations.
- Simulated various design approach for **optimizing** various hardware level operations using **proteus**.
- Worked in team of 3 under guidance of **Dr. Somanath Tripathy**.

Jan 2015 - April 2015
Software Project : e-MAGINE

- Developed **e-MAGINE** a **cross-platform** on-line educational blogging Software that could simulate various **Sorting and Graph Algorithm** for large inputs.
- Worked in a team of 6 students under the guidance of **Dr. Samrat Mondal**
- Web Design Tools used : **Django, MySQL, HTML, CSS, Javascript, jQuery, fabric.js, d3.js** and **Bootstrap**.