

Deep Bhattacharyya

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EDUCATION

NIT TIRUCHIRAPPALLI

B.TECH. IN COMPUTER SCIENCE
AND ENGINEERING

Expected May 2019 | Trichy, India

CGPA: 9.71/10.0

DELHI PUBLIC SCHOOL, RUBY PARK

Grad. May 2015 | Kolkata, India

98.6% | Eastern Zone Topper

LINKS

Github:// [coderick14](#)

LinkedIn:// [deep14](#)

Hackerrank:// [coderick14](#)

CodeChef:// [coderick14](#)

COURSEWORK

UNDERGRADUATE

Algorithms & Data Structures

Operating Systems

Combinatorics & Graph Theory

Computer Networks

Computer Organization

Discrete Mathematics

SKILLS

ALGORITHMIC CODING

WEB DEVELOPMENT

PROGRAMMING LANGUAGES

Over 10000 lines:

C • C++

Over 5000 lines:

JavaScript • Python • HTML • CSS

Familiar:

PHP • Golang • Git • MySQL

• Linux • Laravel

EXTRA CURRICULAR

CONDUCTED LINUX AND PYTHON WORKSHOP

Attended by 100+ first year students

SERVED AS HEAD BOY IN SCHOOL

President of Student Council

2014-2015 at DPS, Ruby Park

EXPERIENCE

IIT BOMBAY | SUMMER ENGINEERING INTERN | [GITHUB](#) | [WEBSITE](#)

May 2017 – July 2017 | Mumbai, India

- Developed a load sharing, scalable architecture for remote-triggered virtual lab systems with Raspberry Pis acting as the secondary servers.
- Led to a 30% reduction in load on the primary server and increased fault tolerance of the system.

SPORTSCAFE | FRONTEND DEVELOPER INTERN | [WEBSITE](#)

Dec 2016 – Jan 2017 | Bangalore, India

- Interned in Frontend Development at Sportscafe involving ES6 compliant ReactJS, HTML, SCSS/CSS.
- Followed a mobile responsive, material design approach on the website
- All code was reviewed, perfected, and pushed to production.

DELTA FORCE | SOFTWARE DEVELOPER

Aug 2016 – Present | National Institute of Technology, Tiruchirappalli

- Software developer at the college's most elite programming club. Member of NIT Trichy Webteam.
- Contributed to Festember (college's cultural fest) website's back end services and APIs. Last year, Festember had more than 200,000 hits on its website

PROJECTS

ACEDIT | COMPETITIVE PROGRAMMING CODE TESTER | [GITHUB](#)

July 2017 – Aug 2017 | Trichy, India

- Run your solutions against sample test cases from Codeforces, Codechef, Hackerrank and Spoj. Without leaving the terminal.
- Prefetch the test cases for a single problem or an entire contest, for subsequent offline usage.

ARMED | AN ARMV8 EMULATOR IN GOLANG | [GITHUB](#) | [GoDocs](#)

Mar 2017 – May 2017 | Trichy, India

- Implements alignment restriction and exclusive memory operations.
- Performs syntax analysis through regular expressions and parsing of instructions.

DALAL STREET | STOCK MARKET SIMULATOR

Nov 2016 – March 2017 | Trichy, India

- A multiplayer virtual stock market game, with a server that provides a websocket API written in Golang to support hundreds of concurrent requests.
- Used by over 300 users

AWARDS

2017	1 st position	Onsite Programming Contest, Vortex, NIT Trichy
2017	1 st position	Webbed, Vortex, NIT Trichy
2017	1 st position	Code-O-Soccer, Kshitij, IIT Kharagpur
2016	1 st position	Pragyan Hackathon, Bangalore, India
2016	7 th /270+ teams	InGenius Hackathon, Bangalore, India
2015	All India Rank 8	AISSCE (CBSE Class XII)