

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
Finite Automata

SKILLS

ALGORITHMIC CODING

PROGRAMMING

Over 5000 lines:

C • C++

Over 1000 lines:

Python • Golang • JavaScript

Familiar:

PHP • Git • MySQL • Shell

• Laravel • Django

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

- Developed components to cover the fixtures, standings, results and live commentary of sports tournaments, using ReactJS.
- 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 the backend services and APIs powering the Festember and Pragyan websites, which received more than 200,000 hits last year.

PROJECTS

ACEDIT | COMPETITIVE PROGRAMMING CODE TESTER | GITHUB

July 2017 – Aug 2017 | Trichy, India

- Tool to run user submissions against sample test cases from Codeforces, Codechef, Hackerrank and Spoj, without leaving the terminal.
- Feature to prefetch the test cases for a single problem or an entire contest, for subsequent offline usage.

ARMED | ARMv8 EMULATOR IN GOLANG | GITHUB | GoDocs

Mar 2017 – May 2017 | Trichy, India

- Terminal based emulator to run ARM assembly code.
- 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.
- Handled over 300 simultaneous users.

AWARDS

2017	1 st /60+ teams	Onsite Programming Contest, Vortex, NIT Trichy
2017	1 st /50+ teams	Webbed, Vortex, NIT Trichy
2017	1 st /100+ teams	Code-O-Soccer, Kshitij, IIT Kharagpur
2016	1 st /50+ teams	Pragyan Hackathon, Bangalore, India
2016	7 th /270+ teams	InGenius Hackathon, Bangalore, India
2015	All India Rank 8	AISSCE (CBSE Class XII)