

Deep Bhattacharyya

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EDUCATION

NIT TIRUCHIRAPPALLI

B.TECH. IN COMPUTER SCIENCE
AND ENGINEERING

Expected May 2019 | Trichy, India
CGPA: 9.59/10.0

DELHI PUBLIC SCHOOL, RUBY PARK

Grad. May 2015 | Kolkata, India
98.6% | Eastern Zone Topper

LINKS

Github:// [coderick14](#)

LinkedIn:// [deep14](#)

Codeforces:// [coderick14](#)

CodeChef:// [coderick14](#)

COURSEWORK

UNDERGRADUATE

Algorithms & Data Structures
Operating Systems
Combinatorics & Graph Theory
Computer Networks
Computer Organization
Discrete Mathematics
Finite Automata
Database Management Systems
Pattern Recognition

SKILLS

ALGORITHMIC CODING

PROGRAMMING

Over 5000 lines:

C • C++

Over 1000 lines:

Python • Golang • Java • 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

CODENATION | SDE INTERN

May 2018 – July 2018 | Bangalore, India

- Developed a service for automated identification and removal of duplicate code in large codebases. It involved static code analysis and application of matching algorithms on the Abstract Syntax Trees of the given code.

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.
- 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 | 50+ stars on Github

- 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 | 45+ stars on Github

- Terminal based emulator to run ARM assembly code.
- Implements alignment restriction and exclusive memory operations.

DALAL STREET | STOCK MARKET SIMULATOR

Nov 2016 – March 2017 | Trichy, India

- A multiplayer virtual stock market game, with a server that provides a gRPC API written in Golang to support hundreds of concurrent requests.
- Handled over 500 simultaneous users.

AWARDS

2017	11 th /671 teams	ACM ICPC 2018 Regionals, Chennai
2017	1 st /60+ teams	Onsite Programming Contest, Vortex, NIT Trichy
2017	1 st /100+ teams	Code-O-Soccer, Kshitij, IIT Kharagpur
2016	1 st /50+ teams	Pragyan Hackathon, Bangalore, India