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 | Software Engineering Intern
May 2018 – July 2018 | Bangalore, India
- Developed a service for automated refactoring of duplicate code in large codebases using static code analysis and graph algorithms.
- Fixed over 220 issues of duplicate code across several Github repositories.

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.
- Played by over 500 simultaneous users across the country.

AWARDS

Year	Rank	Event
2017	11th/120+ teams	ACM ICPC Chennai Regionals, 2018
2017	1st/60+ teams	Onsite Programming Contest, Vortex, NIT Trichy
2017	1st/100+ teams	Code-O-Soccer, Kshitij, IIT Kharagpur
2016	1st/50+ teams	Pragyan Hackathon, Bangalore, India