Deep Bhattacharyya

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EDUCATION

NIT TIRUCHIRAPPALLI
B.Tech. in Computer Science and Engineering
Expected May 2019 | Trichy, India
CGPA: 9.74/10.0

DELHI PUBLIC SCHOOL, RUBY PARK
Grad. May 2015 | Kolkata, India
98.6% | Eastern Zone Topper

LINKS

Github:// **coderick14**
LinkedIn:// **Deep Bhattacharyya**
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
- Worked on improving the efficiency and reliabilty of remote-triggered virtual lab systems.
- Developed a load sharing, master-slave architecture with Raspberry Pis acting as the secondary servers.
- Implemented a centralized database in order to prevent data inconsistency.

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 | Website
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 it's website

PROJECTS

ARMED | An ARMv8 emulator in Golang | Github | GoDocs
Mar 2017 – May2017 | Trichy, India
- ARMv8 emulator with interactive output.
- Supports all the basic commands, 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 simulator for people to test their trading skills and understanding of modern day stock exchange.
- The server provides a websocket API written in Golang to support hundreds of concurrent requests.
- Used by over 300 users

AWARDS

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