

Curriculum Vitae

Rachit Rajat

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Date of Birth: 21 November 1995

Nationality: Indian

OBJECTIVES:

Highly motivated and innovative Computer Science Engineering student, seeking a summer internship in the research field & dedicated to providing value to the research while gaining experience.

EDUCATION:

Bachelor of Technology:

Computer Science and Engineering

National Institute of Technology, Tiruchirappalli (2014 –

- Currently in 5th Semester
- Maintained a **CGPA of 9.09**
- **GPA 4th semester – 8.96**
- **GPA 3rd semester - 9.25**

- **GPA 2nd semester – 8.91**
- **GPA 1st semester – 9.22**

Higher Secondary Examination (ISC board):

City Montessori School, Lucknow (2013)

- **Scored 97.2%.**

Secondary School Certificate Examination (ICSE board):

Jesus and Mary School & College, Balrampur (2011)

- **Scored 95%.**

AWARDS AND ACHIEVEMENTS:

- **AIEEE Under 2000 Scholarship for being in top 2000 All India Rank Holders in Engineering Stream**
- **Top 10 in India in Physics, Chemistry, Mathematics and Computer Science** with 396 out of 400 in Higher Secondary certificate examination.
- **Govt. of India Scholarship 2013** for being in "Top 1%" Merit List of ISC Examination-2013"
- **Certificate of Appreciation (2006-2007) by NGO HOPE Home for Orphan Poor & Education.**

WORK EXPERIENCE:

- Working on the optimization of the middleware provided by LLVM compiler under the Dr. Leela Velusamy Head of Department, Computer Science and Engineering NIT Trichy.
- Worked on the implementation of **Reactive Programming via Racket** (one of the latest version of LISP) under Dr. Satyadev Nandakumar Assistant Professor **IIT Kanpur. (May 2016 – July 2016)**
- Worked on **Finite States Infinite Sequence Transducer** under Dr. Satyadev Nandakumar, Assistant Professor **IIT Kanpur. (May 2016 – July 2016)**

- **Google for Entrepreneurs-**
 - **Co-Founder and Head App. Developer of start-up in Google for Entrepreneur “Get-Med” (2015).**
 - **Co-Founder of start-up in Google for Entrepreneur “Food on Campus” (2014).**
- **Worked under Ex-Head of Department Computer Science and Engineering National Institute of Technology Tiruchirappalli Dr. S Selvakumar on a **Word Processor**. (2014)**
- **Event Manager of “Game Development” event of Pragyan an ISO 9001 & 20121 certified annual International Techno-management Organisation of the NITT.**

RESEARCH INTERESTS:

- **Theoretical Computer Science**
 - a. **Algorithms**
 - b. **Computational Complexity Theory**
 - c. **Cryptography**

KEY SKILLS:

IT skills:

- **Experienced in programming in **Java, C#, C, XML, HTML, CSS, ASP.NET, JSP, Python, Scala, Racket, F#** and using database like **MySQL**.**
- **Experienced in shell scripting via **PowerShell and Bash**.**
- **Experienced in **Cryptographic techniques**.**
- **Experienced in using database like **MySQL**.**
- **Experienced in Markup Languages **Like HTML, XML**.**
- **Experienced in **Mobile App. Development. (Android and Windows)****
- **Experienced in **Game Development** using **Unity 5**.**

- Experienced in **Microsoft Office (Word & PowerPoint)**.
- Experienced in making Document Presentation via **LaTeX**.

People & Project Management:

- **National Service Scheme (NSS)** (January 2015 – May 2015).
- **Event Head** of “Game Development” event in Code IT cluster of Pragyan.
- Part of Mentorship Program to help first year students.
- **Event Manager** for “Hunt the Code” event of Vortex The symposium of Computer Science and Engineering Department National Institute of Technology Tiruchirappalli.

CAREER GOALS:

Pursue higher studies (research) in Theoretical Computer Science.