



# Rahul Verma

Master of Technology  
in Computer Science and Engineering  
Indian Institute Of Technology, Ropar

+91-9889581740

rahul.smartcoder@gmail.com  
github.com/RahulCoder007  
linkedin.com/in/rahulverma007

## EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Master of Technology in CSE	Indian Institute of Technology, Ropar	7.5	2021-2023
Bachelor of Technology in CSE	Dr. A.P.J. Abdul Kalam Technical University	59.34%	2012-2016
Intermediate	Indian School Certificate	69.33%	2011
High School	Indian Certificate of Secondary Education	64.85%	2009

## PROFESSIONAL EXPERIENCE

- IIT Ropar** June 2021 - May 2023  
Teaching Assistant  
Punjab, India  
-Contributed in doubt solving, assignment checking, grading and setting the assignments
- FirstWire Apps (part of BICSL)** March 2018 - February 2019  
Software Engineer  
Bangalore, India  
- Worked as full stack web developer contributing to various web based projects
- Infoseek Software Systems** June 2017 - March 2018  
Jr. Software Engineer  
Lucknow, India  
- Worked as full stack web developer contributing to various web based projects

## PROJECTS

- Load Balancing in Fog Computing | M.Tech Thesis Project** June 2022 - May 2023  
Under Guidance : Dr. Nitin Auluck, Associate Professor, IIT Ropar **Github**  
- Skills: Python, Fog computing, Cloud computing, Load balancing, IOT  
- Proposed SOFNET (Scheduling and Load Balancing Framework for Security Aware Fog Networks), our proposed approach distributes job load across the fog network and schedules real-time jobs based on deadline, communication delay, size, resource utilisation, and security constraints.
- Exploring Issues in Set Based Partitioning from Last-level Cache | Course Project** January 2022 - May 2022  
Under Guidance : Dr. Shirshendu Das, Assistant Professor, IIT Ropar **Github**  
- Skills: C/C++, Champsim Simulator, Memory Systems & Architecture, Research paper survey  
- A Research Project, reading various research papers related to cache replacement policies and cache partitioning. Implemented: static and dynamic set-based partitioning on last-level-cache memory in champsim simulator. Found three limitations in set-based partitioning.

## TRAININGS & CERTIFICATES

- Industrial Proficiency Aptitude Test for Engineers (CII - iPATE )**, 2021  
-Total Marks | Status 48.5 out of 100 | QUALIFIED, Certificate ID: 2020010000956.
- HEWLETT PACKARD Training, PHP with Wordpress**, June 2015 - July 2015  
-Grade Score A+, Certificate ID: HP/STP/2015/N18820.
- HEWLETT PACKARD Training, Core Java**, June 2014 - July 2014  
-Grade Score B+, Certificate ID: HP/STP/2014/N13585.

## TECHNICAL SKILLS

- Programming Languages:** C/C++(advance), Python, MySQL, Java(Core), HTML5, CSS3, PHP, JavaScript.
- Tools & Technologies:** Git, GDB, Linux, Adobe Dreamweaver, FileZilla, XAMPP, Adobe Photoshop
- Frameworks & Libraries:** CodeIgniter(PHP), jQuery, Bootstrap, AJAX.

## KEY COURSES TAKEN

- CSE** :Data Structures, Algorithms, Programming languages, Operating System, Database management system, Computer Networks, Computer Systems, Memory System and Architecture, Scheduling in Parallel and Distributed Systems
- Mathematics** :Discrete Mathematics, Graph Theory, Linear Algebra, Probability & Statistics

## POSITIONS OF RESPONSIBILITY

- Volunteer**,HelpAge India NGO 2010-11
- captain**,Volleyball team of the college 2014-15

## MISCELLANEOUS

- Won Silver Medal for Volleyball in Inter Year Sports Championship (IYSC-IIT Ropar)**,position: 2nd 2022-2023
- Qualified Industrial Proficiency Aptitude Test for Engineers (CII - iPATE)**, 2021
- Qualified GATE (Graduate Aptitude Test in Engineering-CS)**,Gate Percentile: 98.85, AIR 1172. 2021
- Qualified GATE (Graduate Aptitude Test in Engineering-CS)**,Gate Percentile: 95.55, AIR 4342. 2020
- STAR OF THE BATCH IN HEWLETT PACKARD for PHP WITH WORDPRESS**,Got Highest Marks in my batch2015
- Interests**,Volleyball, Travelling, Table Tennis, Snooker, Cooking.