

# P Rahul Bharadwaj

ASSOCIATE SOFTWARE ENGINEER – GoJEK, BANGALORE, INDIA

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## EDUCATION

Indian Institute of Technology Bhubaneswar, Orissa, India  
Dual Degree Programme (B.Tech + M.Tech), Computer Science and Engineering  
**CGPA: 9.02/10** *Jul' 17 - May' 22*

Sri Chaitanya Narayana Junior College, Hyderabad, Telangana, India  
Intermediate/+2 , **Percentage: 98%** *Jul' 15 - May' 17*

Sri Chaitanya High School, Hyderabad, Telangana, India  
Matriculation/+2 , **GPA: 10.0/10** *Jul' 14 - May' 15*

## PUBLICATIONS

1. **Pendyala, RB.**, Pinisetty, S., Panda, A., "VSMoN: Runtime Monitoring Based Data driven Remote Vital Sign Monitoring System"\*

## WORK EXPERIENCE

**Associate Software Engineer**  
*Gojek Bangalore, India* *July' 22 - Present*

**Web Development Intern**  
*SS&C Technologies Mumbai, India* *May' 20 - Aug' 20*

I worked on the backend implementation of a solution testing framework intended to test business process processes provided by the clients and generate accurate reports. My work involved

- Understanding business requirements and creating test scenarios to ensure high software quality.
- Develop automation scripts.
- Execute automated and manual tests to ensure the software created is fit for purpose.

**Teaching Positions.....**  
*Indian Institute of Technology, Bhubaneswar, India*

CS3P002: Database Systems : Lab	Spring 2022
CS3L006: Computer Networks	Spring 2022
CS1P001: Introduction to Programming and Data Structures (+ Lab)	Autumn 2021
CS4P001: Compiler Design : Lab	Autumn 2021

## PROJECTS

### Datacentered runtime monitoring in healthcare systems

*Java — Android App — Firebase*

- This project focuses on real-time health monitoring of vital signs-related data of the user based on some safety-critical policies specified by healthcare personal using a domain-specific language. This project focuses on monitoring safety-critical policies using timed-automata-based formal verification techniques.

### Online grocery store & delivery management system

*Java — Android App — Firebase*

- This is an android application where users can purchase and order groceries online. This app has functionalities like online registration for customers and admin, online catalog, shopping cart, checkout and payment options, order history and order tracking at client-side and admin dashboard, inventory and delivery management modules at admin side.

\* Accepted at VORTEX '22 :Workshop on Verification and monitoring at Runtime Execution, June 06-10, 2022, Berlin, Germany under the conference ECOOP

### Chitter Chatter – Instant Messaging Android App

*Java — Firestore*

- This is an instant messaging application where you can send and receive messages from your friends. This project makes use of Firebase Cloud messaging services to push messaging infrastructure between server and user devices.

### Plagiarism detection

*Python*

- This project is written in python on plagiarism detection techniques using noun arrays based on a [research paper](#).

### Credit card Approval

*Python — ML*

- This is a machine learning project which involves predicting whether an applicant should be approved for a credit card or not based on some attributes.

### Multiple Client Server Chat Room

*Java*

- This is a client-server application written in java where server creates a chat room and monitors the chat. Any number of clients can join the chat room and they can either group chat or may chat privately.

### Vending machine

*Verilog*

- This is an academic project written in Verilog which aims to design a finite state machine based vending machine that has auto billing features to deliver the products.

### Designing a 32-bit RISC style Architecture.

*Logisim*

- This is an academic project that is designed in logisim for simulating digital logic circuit of 32-bit RISC processor.

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## TECHNICAL SKILLS

**Programming Languages:** Java, C++, Python, Go(Beginner)

**Scripting Languages:** HTML, CSS, Javascript(Beginner)

**Databases:** MYSQL, Oracle SQL

**Operating Systems:** Linux(Ubuntu), Windows

**Software Tools & Frameworks:** Spring, RESTful Web Services, Firebase, Android Studio.

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## AWARDS & ACHIEVEMENTS

- Consistently recognized with excellent feedback in performance appraisals during my internship.
  - Indian Institute of Technology, Bhubaneswar, **Department Topper** with SGPA - 10.0 in 8<sup>th</sup> and 10<sup>th</sup> semesters.
  - Secured spot in top 1% students all over India in JEE Mains and JEE Advanced 2017
  - Secured AIR 396 in Andhra Pradesh EAMCET & AIR 410 in Telangana EAMCET
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POSITIONS OF RESPONSIBILITY	<p><i>Corporate &amp; Associations team member</i></p> <p>E-Summit-The Entrepreneurship Fest IIT Bhubaneswar  <i>Member of Entrepreneurship cell of IIT Bhubaneswar (2017 - 2021). Organized various workshops and E-days on the campus. As a Corporate &amp; Associations team member of E-Summit, played an important role in some of the successful collaborations.</i></p> <p><b>Student Guide</b>  Counselling Service Team, IIT Bhubaneswar</p> <p><b>NSS Volunteer</b>  <i>Involved in educating children at schools in and around IIT Bhubaneswar.</i></p> <p><b>Member</b>  D-GANG – The Dance Society of IIT Bhubaneswar  <i>Involved and performed in many occasions held during various institute events at IIT Bhubaneswar and other institutes as well.</i></p>
SELECTED COURSEWORK	<hr/> <p><b>Computer Science:</b> Operating Systems(+ Lab), Formal Language and Automata Theory, Computer Organization and Architecture(+ Lab), Distributed Systems*, Database Systems*, Advanced Data Structures(+ Lab), Design and Analysis of Algorithms(+ Lab)</p> <p><b>Mathematics:</b> Combinatorics, Probability and Statistics, Discrete Structures, Linear Algebra and Complex Analysis, Advanced Optimisation Techniques</p> <p><b>MOOC:</b> Machine Learning (Coursera), Cryptography - 1, Computer Networks and Systems Security*, Cryptography - 2*</p> <hr/>
EXTRA INTERESTS	<p><b>Hobbies:</b> Mathematics Puzzles, Reading books, Music, Dance, Drawing, Cooking</p> <p><b>Sports:</b> Badminton, Volleyball</p> <p><b>Languages:</b> English, Hindi, Telugu</p>