

# Siddhartha Nayak

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## EDUCATION

### IIT ROPAR

BTECH IN COMPUTER  
SCIENCE  
2018-CURRENT

### SARVODAYA SCHOOL

May 2017 | Kota, IN

## LINKS

Github  
LinkedIn

## COURSEWORK

### UNDERGRADUATE

Software Engineering  
Programming Paradigms and  
Pragmatics  
Computing Data Structures  
Theory of Computation  
Computer Architecture  
Computer Networks  
Discrete Mathematical Structures

## SKILLS

### PROGRAMMING

Over 15000 lines:  
Python • JavaScript • Java • C •  
C++

Over 5000 lines:  
Latex • MySQL • RISC-V

### TECHNOLOGIES

NodeJS • Git • Android

## PROJECT EXPERIENCE

### RISC-V ISA SIMULATOR | DEPT. OF COMPUTER SCIENCE AND ENGINEERING, IIT ROPAR

Jan 2020 – May 2020

- Designed and developed a simulator (with GUI) for RISC-V instruction set architecture..
- Implemented both 5 stage pipelined and uniplined execution.
- Implemented Data Stalling, forwarding etc. for Data and Control Hazards.

### DBMS PROJECT | DEPT. OF COMPUTER SCIENCE AND ENGINEERING, IIT ROPAR

July 2020 - Dec 2020

- We created an agent ticket booking platform for trains.
- Here we have two login credentials one "agent" and other is "admin". The project was done using SQL language.

### TRAVEL REIMBURSEMENT FORM APP | DEPT. OF COMPUTER SCIENCE AND ENGINEERING, IIT ROPAR

Jan 2021 – May 2021

- Designed and developed an easy to use travel reimbursement application for schools and colleges using ReactJS and NodeJS.
- App allows you to use store and download travel information.

### MINI PROJECTS

Jul 2018 - Current

- Digital Logic Design Project | Language : Verilog
- Samskritam | our effort to help you learn Sanskrit : parent to all language

## PROJECTS

2021 | Google Foobar

## EXPERIENCES

### • Event Coordinator, Lifestyle Events

Zeitgeist - Annual Fest of IIT Ropar

### • Club Member, Alankar, Arturo, Alpha

Music, Photography and Editing Club of IIT Ropar