

# Prakhar Parashari

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I enjoy the challenge and new technologies that I learn while working on a project. I love to work with a team. On a personal level I prefer to keep things simple in life. My hobbies include outdoor sports and reading news articles.

## EDUCATION

### B.Tech

Jaypee Institute of Information Technology

07/2017 - Present

CGPA 7.2

### School - Intermediate

Woodrow Senior Sec. School

05/2016

84%

### High School

Hartmann College

05/2014

87%

## PERSONAL PROJECTS

IoT based Door Bell backed by AWS Serverless Architecture (09/2019 - 11/2019)

- Door Bell - Made using Raspberry Pi running AWS SDK. Sends live feed from camera to Amazon Kinesis.
- Android App - An app for the users where they can sign up. View the live stream, order food and call a waiter. It used Amazon Cognito and DynamoDB. It was made using Java.

8 bit Computer (06/2018 - 09/2018)

- It is a computer that is made on breadboards using 7400XX chips. It is based on the design by Ben Eater.

Developed an automation tool for finding Temporary Field Code Smell (01/2020 - 04/2020)

- Developed a GUI Application using Java Swing that automated the process of finding/displaying the Temporary Field Code Smell present in a given project.
- The algorithms involved were adapted from a published IEEE paper by Dr. Sandeep K. Singh et al.

Line Follower Robot (02/2018 - 04/2018)

- A robot that automatically follows a path drawn on the floor.
- Components Used : LDR, Ultrasonic Sensor, Arduino Nano.

## WORK EXPERIENCE

### Research Intern

Bits Pilani

06/2020 - 07/2020

#### Tasks

- Interned under Prof. Vinay Chamola (Senior Member, IEEE)
- Research was conducted on the topic of Quantum Computers
- Wrote a IEEE survey paper on the topic of Applications of quantum computers and Post quantum cryptography
- Wrote a magazine paper on the topic of Recent advances in quantum computing

Contact: Dr. Vinay Chamola, Assistant Professor Department of Electrical and Electronics Engineering  
- Email:vinay.chamola@pilani.bits-pilani.ac.in

## TOOLS AND TECHNOLOGIES

Android Development

AWS

Azure

Angular

Arduino

Cryptography

Linux

Adobe Illustrator

Adobe Premiere Pro

## COURSEWORK

Software Engineering

Operating Systems

Database Systems and Web

Data Structures

Algorithms and Problem Solving

Object-oriented analysis and design

Computer Organisation and Architecture

Computer Networks

## PROGRAMMING LANGUAGES

Java, Python, Javascript, MySQL, C/C++

## CERTIFICATES

Letter of Recommendation for Research Intern  
(06/2020 - 07/2020)

By Bits Pilani

Introduction to Group Theory (NPTEL)  
(08/2019 - 10/2019)

By IIT Madras

Introduction to Group Theory (NPTEL)  
(08/2019 - 10/2019)

By IIT Madras

## LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

Japanese

Elementary Proficiency

## INTERESTS

Quantum Computing

Artificial intelligence

Big data

Web development

Cricket

Football

Current Affairs

Astronomy