

# TARUN LAHROD

ANDROID DEVELOPER,  
C++/JAVA PROGRAMMER

## CONTACT INFORMATION

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## ACADEMIC BACKGROUND

**Bharati Vidyapeeth's College of Engineering,  
New Delhi**

BTech in Computer Science (Aug 2017 - May 2021)  
CGPA: 7.44 (Till 5th Semester)

## SKILLS

- C/C++/Java/Python Programming
- Android Development with Java
- Firebase (Android development in Java)
- Data Structures and Algorithms, Competitive Programming (Beginner level)
- Front-end Web Development: HTML, CSS, Javascript, jQuery
- RDBMS (MySQL)
- Operating System
- Version Control System: Git
- Basic UNIX shell scripting
- Arduino Programming

## ACHIEVEMENTS

- **1st Prize (out of 700 teams)** in Rajasthan Hackathon 5.0 (Digifest) at Bikaner in July 2018, our team was granted a funding of \$20,000 by the Rajasthan Govt. for research purposes.
- **3 stars on Codechef** (Max rating: 1722)
- Qualified Google Code Jam, 2019 and 2020
- Qualified Facebook Hackercup
- Ranked amongst top 10 in INSPIRE AWARDS 2015 State Level
- Qualified INSPIRE AWARDS 2015 National Level
- Qualified *Fit in Deutsch 2* in 2014.

## PROFILES

- LinkedIn: [tarun-lahrod](#)
- GitHub: [tarunlahrod](#)
- Codechef: [tarun\\_lahrod](#)

## CERTIFICATIONS

- CodeChef Certified Data Structure & Algorithms Programme (Foundation Level) ([View certificate](#))
- Completed Robotics and Arduino Development series by RAS BVPIEEE
- Completed the Android Development series conducted by BVPIEEE

## EXPERIENCE

### Android Development Summer Intern

Delhi Metro Rail Corporation (June 2019 - July 2019)

- Developed an Android application to find various routes (Time efficient and crowd efficient) in a metro network implementing **graph data structure in Java**.
- Technology used/learned: **Android Development in Java and Git**. ([github.com/tarunlahrod/Metro-App](https://github.com/tarunlahrod/Metro-App))

### Android Instructor

BVPIEEE (Sept 2018 - Feb 2019)

- Conducted a certified Android Development workshop series for 20+ students.
- Introduction to **Android Development** was taught.

## PROJECTS

### Student Evaluation App

- Project developed under College Department Faculty.
- Developed an android application to access, store and retrieve student evaluations and other details.
- Technology used/learned: **Android Development in Java, user authentication using Google Sign-In on Firebase, Firebase Real-time Database, Object Oriented Programming and Git**. ([github.com/tarunlahrod/Student-Evaluation-Project](https://github.com/tarunlahrod/Student-Evaluation-Project))

### T-Rex Game

- Developed a game similar to Google Chrome's T-Rex.
- In game, user has a box which encounters various obstacles of varying height. User has to jump over the obstacles hence avoiding the collision.
- Technology used/learned: **HTML, CSS and JavaScript** ([github.com/tarunlahrod/T-Rex](https://github.com/tarunlahrod/T-Rex))

### Robotic Snake

- Robot with a shape similar to a snakes using Servo motors.
- Arduino based IOT project aiming to better disaster management in post-earthquake time: Rajasthan Hackathon.
- Worked on robot's hardware and writing for code the movement of Servo motors.
- Technology used: **Arduino Programming** (C language)

### Maths Game

- Developed a simple game in which user gets points for choosing the correct product of 2 numbers.
- This game demonstrates the **CSS** with very basic layout.
- Technology used/learned: **HTML, CSS and JavaScript** ([github.com/tarunlahrod/Maths-Game](https://github.com/tarunlahrod/Maths-Game))

### Path planning Robot (ATmega2560 based)

- Autonomous robot with arm to uplift and hold objects of comparable size.
- Implemented shortest path algorithm (**Dijkstra Algorithm**) in a network of paths.
- Made for eYantra 2018 competition.

## VOLUNTARY WORK

- Event sub-manager of Line Following Challenge event in Annual Fest of BVPIEEE. (2018)
- Organizing member in WIEHACK - 24 Hr All Women Hackathon, 2018 under BVPIEEE.
- Organizing member of INNOVICON (2019), AI theme based conference organized by BVPIEEE.