

# Aakash Mangla Software Engineer

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## PROFESSIONAL EXPERIENCE

### ThoughtWorks Technologies

Developer - Consultant Graduate

Aug 2022 – present | Gurugram, India

- Worked as a Full Stack Developer on a TechOps Project.
- Assisted in effortless transition and development of new UI design for the product from scratch.
- Collaborated with the team in development of new features as per the business requirements.
- Technologies Used - ReactJS, NextJS, SpringBoot, CircleCI, GCP, PostgreSQL.

Application Developer Intern

Mar 2022 – Aug 2022 | Gurugram, India

- Worked with System Designing, Design Patterns, Agile Practices and Full Stack Development.

### IHS Markit (now S&P Global)

Jun 2021 – Jul 2021 | Gurugram, India

Software Engineering Intern

- Implemented Web APIs using ASP.NET Core, Repository Pattern and MVC Architecture successfully.
- Contributed with Team Apollo on products Market EyeQ and Enterprise EyeQ.
- Collaborated on multiple features with the team and wrote unit and integration tests for the same.

## EDUCATION

### Bachelor of Technology (B.Tech) in Information Technology

Aug 2018 – Jul 2022 | New Delhi, India

Bharati Vidyapeeth's College of Engineering

(CGPA: 8.56)

**Coursework:** Data Structure, Object Oriented Programming, Algorithms Design and Analysis, Software Engineering, Databases, Web Engineering.

### High School

2018 | Delhi, India

Ramjas Public School (Day Boarding)

(CBSE) Science: **93%**

## SKILLS

### Programming

JavaScript, Java, C++, HTML, CSS, C#, Python.

### Backend

PostgreSQL, SQL, NoSQL, MongoDB, Rest API, Json.

### Others

Data Structures, Object Oriented Programming, Algorithms, Agile and Scrum, MVC Architecture, Unit and Integration Testing, System Design, Design Patterns.

### Frameworks and Libraries

ReactJS, MaterialUI, SpringBoot, ASP.NET Core, NodeJS, NextJS, ExpressJS, Bootstrap, Django, ReactNative.

### Tools

Git, VSCode, Visual Studio, Azure DevOps, Docker, IntelliJ, WebStorm, CircleCI.

## PROJECTS

### Functional Weeder Robot

eYantra

- The robots are programmed using **Elixir language** with a dashboard logging the sequence of events and remaining tasks in real-time over the Internet. The arena abstracts a farm, comprising crop seeds to be planted and weeds to be removed. Robots work collaboratively and communicate with each other to explore the farm to determine where seeds should be sown and/or weeds should be removed.
- **Tech Stack** - Functional Programming, Elixir language, Phoenix Web Framework, IoT, Socket programming.

## Ball Balancing Platform

eYantra

- Achieved the goal to traverse balls through a maze on defined paths within a stipulated time of 480 seconds to determine the quality of the ball balancing platform.
- **Tech Stack** - Image Processing, Control Systems, 3D Designing, Algorithm Building, Robotic Simulation, Python programming and Lua programming.

## COVID-19 India Tracker

- Created website with real time statistics and news on **Covid-19** cases in India.
- Provides data for all 28 states and 8 union territories and displayed using tables, charts and maps. The website is responsive and works on all types of devices.

## Classic Apple iPod Clone

- Attempted to recreate the Classic Apple iPod using **ReactJS**.

## Tre-Way

- Solved the 3 main problems which are faced in cities these days - **Pollution, Traffic and Parking**. Tre-way is a Web App made using ReactJS, NodeJS, Google firebase.



## AWARDS

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### 1st Runner Up at Hackathon

**1st Runner Up** at HackIT hackathon at BVEST19. Presented the project Tre-way and secured **2nd position** after working for more than 24 hours.

### E-Yantra 2021-22

Designed a Weeder Seeder Robot successfully through a series of tasks. Completed all the tasks for the theme Functional Weeder Robot and came out as **Top 10** teams from all over India.

### E-Yantra 2020-21

Designed a Ball balancing platform successfully through a series of tasks. Completed all the tasks for the theme Nirikshak Bot and came out as **Top 15** teams from all over India.

## National Record

Broke **National Record** for solving Rubik's Cube with feet with a time of (**33.87 seconds**) on 9 Nov 2017 at SRCC.



## LANGUAGES

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English | Hindi



## INTERESTS

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Music • Rubik's Cube • Cricket • Basketball • Photography • Cooking • Travelling