

# Bestin B Thomas

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## EDUCATION

### NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

METALLURGICAL AND MATERIALS

#### Minor in Computer Science

Expected Graduation: May 2022

Cum. GPA: 8.17

### KENDRIYA VIDYALAYA, NAD ALUVA

#### AISSCE

Graduated: March, 2018

Grade 12: 93.8%

Grade 10: 10 CGPA

## LINKS

LinkedIn: [bestinbthomas](#)

Github: [bestinbthomas](#)

## COURSEWORK

### UNDERGRADUATE

- Basics to Programming
- Data Structures and Algorithms

## SKILLS

### PROGRAMMING LANGUAGES

- Java • JavaScript • C++ • C • Kotlin
- TypeScript • Python

### TOOLS, FRAMEWORKS AND DATABASES

- Android Studio • ReactJS • NodeJS
- Express • CMake • Docker
- PostgreSQL • MongoDB • Django
- JMeter • Ethereum • Solidity

## EXTRACURRICULAR

### TECHNICAL COUNCIL

#### Deputy Manager

Undertakes campus development projects and keeps an eye out for programmes and initiatives for the welfare of the students.

### QUALITY MANAGER

#### Festember

Handle the fest's registrations, reports and feedback with a focus on achieving awards, certifications and trademarks.

### NATIONAL SERVICE SCHEME

#### Volunteer

Celebrated **The Joy of Giving Week** by visiting **Theresa Karunalayam**, an Orphanage in Thanjavur District.

## EXPERIENCE

### GMETRI | FULLSTACK DEVELOPER

Apr 2020 - June 2020 | gmetri.com

- Developed **API's** along with **UI** and **database** improvements to add numerous features to the platform and optimised several existing ones with performance gains of up to 30%, Utilising **NodeJS**, **ReactJS**, **Hapi** and **PostgreSQL** with **Hasura GraphQL** Engine.
- Designed the **file manager** layer that interfaces with **AWS S3** bucket to provide faster navigation.
- Developed a tool using **Apache JMeter** to load test the API's and find the limits of the API layer and DB layer under various kinds of load.

### DELTA FORCE | SOFTWARE DEVELOPER

Jul 2019 - Present | delta.nitt.edu | The Programming club of NIT, Trichy

- Maintain the **official website** of NIT Trichy.
- Developed Android applications for various fests in NIT Trichy, that helped participants and guests navigate their way through the fest. This reached over **5000 downloads** on the **Google play**.
- built the feedback app for the fest that recorded over **1000** feedbacks from participants of various events and workshop.

## PROJECTS

### CODE CHARACTER | DEC 2019 - MARCH 2020

- An AI programming challenge for the ISO certified annual tech fest **Pragyan**, where players, using the provided high-level API, control troops and occupy territories in a real-time strategy simulation game.
- played by **1300+** players from **70 countries**.
- Build the simulator based on **C++** which simulated the match using the player's codes and provided the game logs, serialised using **Protocol Buffers** to be rendered on a webUI. Also, build the Front-end of the game and using **ReactJS**.

### TREAD | DEC 2019 - JAN 2020

- Developed a fitness app for **Android** with **Firestore** back-end that connects to Bluetooth heart rate monitor using **Bluetooth Low Energy (BLE)** technology and display the information.
- The app streams workout videos from **Vimeo**, along with the expected heart rate range and real-time calorie burn.
- Points are awarded to users for maintaining their heart rate in the expected zone and puts them on a **leaderboard with friends** to gamify the workout process.

### ETHER AUTH | DEC 2019 | PRAGYAN HACKATHON

- Built an **Ethereum** powered document **signing** and **validation** platform for offices aiming towards a paperless office.
- **Blockchain** is used to store the document hashes and signatures.
- Uses **NodeJs** as a central backend for efficient and quick access and uses the blockchain as a fallback.