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: **8.2**

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
• Computer Organisation
• Computational Techniques

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 • Etherium • Solidity

EXTRACURRICULAR

DEVELOPER STUDENT CLUB NIT TRICHY
LEAD
Organised Google's hands-on programs like **30 days of Google Cloud** and **Android Study Jams**, empowering students with these technologies.

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

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** feed backs 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 **Firebase** 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.

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.

ARTICLES

CODING IN THE FIRST PRINCIPLE | AUG 2020 | MEDIUM.COM
A mental model to learn and write better code