

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: 8.36

KENDRIYA VIDYALAYA NAD ALUVA

AISSCE
Graduated: March, 2018
Grade 12: 93.8%
Grade 10: 10 CGPA

LINKS

Github: [bestinbthomas](#)

COURSEWORK

UNDERGRADUATE

- Basics to Programming
- Data Structures and Algorithms
- Computer Organisation
- Computational Techniques
- Operating Systems
- Network Security
- Data Communications and Networks

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

DEVELOPER STUDENT CLUB NIT TRICHY

LEAD 2020-2021

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

MODELON | TESTING AUTOMATION ENGINEER

May 2021 - June 2021 | [modelon.com](#)

- Built a framework to Automate the testing of **Modelon Impact** using **Selenium** Web Driver for **Java** and **CucumberJVM**. Reported the test results using **Allure Framework**
- Developed an internal tool to combine and convert PowerPoint and Word documents to a PDF adding watermark and page numbers.

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.
- 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**.

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