

Bharath Kumar

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PERSONAL

NATIONALITY

INDIA

EDUCATION

NIT TRICHY

BTECH IN ELECTRONICS AND
COMMUNICATION ENGINEERING

MINOR IN COMPUTER SCIENCE

Started May 2017

Expected May 2021 | Trichy, IN

Cum. GPA: 8.31 / 10

JAWAHAR HSS

GRADUATED WITH 94%

Grad. May 2017 | Neyveli, IN

LINKS

Github:// [BharathKumarRavichandran](#)

LinkedIn:// [BharathKumarRavichandran](#)

COURSEWORK

UNDERGRADUATE

Algorithms and Data Structures

Database Management Systems

Computer Architecture

Probability and Random Processes

Digital Signal Processing

Signals and Systems

SKILLS

PROGRAMMING

LANGUAGES

C/C++ • Python

WEB DEVELOPMENT

HTML5 • CSS • PHP

Javascript • Python

FAMILIAR

MySQL • Django • NodeJS

ReactJS • Laravel • BabylonJS

TOOLS

Git • Docker • GNU/Linux

Vim • Postman • Visual Studio

EXPERIENCE

DELTA FORCE | SOFTWARE DEVELOPER

July 2018 – Present | Trichy, IN | [delta.nitt.edu](#)

- The **programming club** and **central webteam** of the National Institute of Technology, Tiruchirappalli.
- Handles most of the **web and app development** for various campus development projects, activities and festivals.
- Was selected in the top 9 out of 250+ applicants.
- Conducted an introductory **Algorithms workshop** for more than 100 freshers.

PROJECTS

BEER FACTORY | RESOURCE MANAGEMENT GAME | WEBSITE

November 2018 – March 2019 | NIT Trichy, IN

- An **online strategy-based**, single-player **resource management** game. Each player competes against a **computer simulated opponent**.
- Designed and implemented the **game API from scratch** in **Django** and the UI in **BabylonJS**, **ReactJS**, **Redux** and **SemanticUI**.
- Wrote models, test codes, game and leaderboard logic views. Designed the gamepage UI, reusable menus, display components and made game **mobile responsive**.

VIRTUAL FIT | LEAD DEVELOPER

March 2019 - April 2019 | PIET, Delhi NCR, IN

- A **custom clothing store** website where a user can get his body measured from a photo and can design a custom made shirt online with a large variety of accessories and order directly.
- Written in **NodeJS**, used **ResNet-18 Deep Learning Architecture** for predicting body sizes, **BabylonJS** for **3D model rendering**.
- Won **first place** in the **Smart India Hackathon 2019**.

JITHESHRAJ SCHOLARSHIP APPLICATION | WEBSITE | SOURCE

June 2019 – August 2019 | NIT Trichy, IN

- A scholarship sponsored by AHEAD trust for promising freshmen.
- Built the complete backend using **NodeJS** and optimised application using **Kue workers to automate file archiving and mailing**. Used **OAuth2Client** to automate **Google Drive uploads**.
- **Dockerized** the entire application, **configured nginx** to host the application.

FEST API | DEVELOPER

August 2018 – Present | NIT Trichy, IN

- **RESTful API** for managing **college fests**.
- Developed, reviewed code for **Certificate generation** and **CMS Helper module**.
- Written in **Laravel 5.1**, used by more than 6000+ participants and organisers.

POSITIONS AND ACHIEVEMENTS

2020	Head, Web Operations	Festember'20, International Cultural Festival
2019	Top 60 / 1900+ contestants	Singapore India Hackathon
2019	Winner / 30000+ Teams	Smart India Hackathon
2018	Finalist / 40+ Teams	HackerTech'18, VIT Vellore