

# Bharath Kumar

bharathkumarravichandran.github.io  
bharathkumarravichandran@gmail.com | +917708845078

## 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: 8.42 / 10

### JAWAHAR HSS

GRADUATED WITH 94%  
Grad. May 2017 | Neyveli, IN

## LINKS

Github:// [BharathKumarRavichandran](#)  
LinkedIn:// [BharathKumarRavichandran](#)

## COURSEWORK

### UNDERGRADUATE

Algorithms and Data Structures  
Operating Systems  
Database Management Systems  
Computer Architecture  
Probability and Random Processes  
Digital Signal Processing

## SKILLS

### PROGRAMMING

#### LANGUAGES

C++ • JavaScript  
Python • PHP

#### WEB DEVELOPMENT

HTML5 • CSS • ReactJS  
Django • NodeJS • Laravel  
Spring • Angular

#### FAMILIAR

MySQL • BabylonJS • PixiJS

#### TOOLS

Git • Docker • Vim

## EXPERIENCE

### MORGAN STANLEY | TECHNOLOGY SUMMER ANALYST

May 2020 – July 2020 | Bangalore, India

- Built a **parser in Java** to transform the XML messages received from upstream and integrated **Apache Kafka** with **Spring Boot** and **Spring Webflux** middle tier.
- Built a **NLP model** for categorizing the notifications received and deployed it as a **separate microservice** in **Flask**.
- Built a dashboard using **Angular** for viewing the notifications.
- **Dockerized** the application and wrote tests and pushed the application to QA.

### 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.
- Conducted an introductory **Algorithms workshop** for more than 100 freshers.

## PROJECTS

### BEER FACTORY | RESOURCE MANAGEMENT GAME | WEBSITE

Nov'18 – Mar'19 & Nov'19 – Mar'20 | 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**.

### 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	<b>Head, Web Operations</b>	Festember'20, International Cultural Festival
2020	<b>2<sup>nd</sup> Runner up</b> / 40+ Teams	TransfNITte <sup>v2</sup> , NIT Trichy
2019	<b>Top 60</b> / 1900+ applicants	Singapore India Hackathon 2019
2019	<b>Winner</b> / 30000+ Teams	Smart India Hackathon 2019
2018	<b>Finalist</b> / 40+ Teams	HackerTech'18, VIT Vellore