

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: 8.36 / 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++ • Python
JavaScript • PHP

WEB DEVELOPMENT

HTML5 • CSS • NodeJS
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	Head, Web Operations	Festember'20, International Cultural Festival
2020	2nd Runner up / 40+ Teams	TransfNITte ^{v2} , NIT Trichy
2019	Top 60 / 1900+ applicants	Singapore India Hackathon 2019
2019	Winner / 30000+ Teams	Smart India Hackathon 2019
2018	Finalist / 40+ Teams	HackerTech'18, VIT Vellore