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
Probability and Random Processes
Digital Signal Processing
Signals and Systems
Digital Systems and Circuits

SKILLS

PROGRAMMING
Languages
C/C++ • Python
Web Development
HTML5 • CSS • PHP
Javascript • Python
Familiar
MySQL • Django • NodeJS
ReactJS • Laravel • BabylonJS
Tools
Git • Docker • Visual Studio
Postman • Linux

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 - Present | 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 – Present | NIT Trichy, IN
- A scholarship sponsored by AHEAD trust for promising freshmen.
- Built the complete backend using **NodeJS** and made application efficient using **Kue workers to automate file archiving and mailing.** Used OAuth2Client to **automate Google Drive uploads**.
- **Dockerized** the entire application, **configured nginx** and pushed to production.

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.

AWARDS

2019	**Winner** / 30000+ Teams	Smart India Hackathon 2019
2018	**Finalist** / 40+ Teams	HackerTech'18, VIT Vellore