Venkatraman Srikanth

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PERSONAL INFO

Nationality : USA

EDUCATION

NIT - TRICHY
BTech in Computer Science
Minor in Economics
Started July 2015
Expected May 2019
GPA: 7.85/10

LINKS

Github:// **venkat24**
LinkedIn:// **venkatraman24**

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Computer Architecture
Operating Systems
Data Comm. and Networks
Formal Languages and Compilers
Pattern Recognition

SKILLS

PROGRAMMING

Languages
C++ • JavaScript • Haskell
Python • PHP • Java

Web Development
HTML • CSS • React
Laravel • Spring • NodeJS

Tools
SQL • Vim • Git • Docker

EXTRA CURRICULARS

Writer and Activist
Nakshatra Club of Astronomy
and Science. Blog - AstroNITT

Mridangam Player
Classical Indian percussion
instrument - 9 years experience

EXPERIENCE

AMAZON | Software Development Engineer - Intern
May - July 2018 | Chennai
- A tool to **simplify weekly volume analysis** in high capacity services
- Integrated an Amazon log analysis platform with a **new website in the Spring framework**, cutting down the time taken to look up logs related to a metric deviation
- **Built a parser in Java** to transform a config XML structure into an Excel sheet template with graphs, for **easy viewing of data** in the **user's format of choice**
- **Currently in production use by 4 teams at Amazon**, with scope for expansion

HASKELL SUMMER OF CODE | Student Developer
May - September 2017 | haskell.org | github.com/google/codeworld
- A project on export functionality in **CodeWorld**, an educational environment **to teach kids functional programming** using a **Haskell variant**
- Implemented the **ability to export** web based animations and games to **Android apps**, using the **Apache Cordova** framework
- **Actively used in several US elementary schools** in the K-12 semester scheme
- Project proposal and agenda - https://goo.gl/e9laEu

SPORTSCAFE | Web Development Intern
Nov - Dec 2016 | Bangalore | sportscafe.in
- Front-End web development with **ReactJS**. Made a **real time sports scoring** and commentary system, which was **used extensively for badminton tournaments**
- **Wrote APIs** for this system in the hapi framework for **NodeJS with MongoDB**, and also implemented a **new periodic backup system**

PROJECTS

CODE CHARACTER Feb 2018 | engine source | renderer source
- An **AI programming challenge** for the tech fest Pragyan '18, where players, using the **provided API**, control troops in a **real-time strategy simulation**
- Designed and implemented the **game engine from scratch in C++**, which uses **LLVM bytecode instrumentation** for deterministic code runtime measurements
- Built a complete web application which enabled user registrations and **automatic code submission**, which ran in isolated **Docker based environments**
- **Played by over 1300 people** from **74 different countries**.

MICRO-HTTP Nov 2017 | source
- A fast **static file server in C**, that can **handle requests concurrently**
- Part of a group effort to **build a custom TCP/IP stack**, and this file server was used to test the lower layers

OTHER

DELTA FORCE | Software Developer
Jul 2016 – Present | NIT Trichy | delta.nitt.edu
- The programming club of my college, which handles most of the **web and app development** for various activities and festivals
- Conducted an introductory **workshop on Linux and Python** for more than 100 freshers, and taught concepts of **scripting and web scraping**

ACHIEVEMENTS

2018	**Head, Web Operations**	Festember '18, International Cultural Festival
2017	**Winner** / 100+ Teams	CodeOSoccer AI Contest, Kshitij IITKGP
2017	**Winner** / 50+ Teams	Webbed - Speed Dev event, Vortex 2017
2016	**Winner** / 30+ Teams	Pragyan Hackathon