

# J. Keshav Bhupathy Vignesh

## EDUCATION

### B.Tech Computer Science and Technology

- Vellore Institute of Technology

2014 - 2018 (Expected)

CGPA - 9.18 / 10.00

### Class XII, CBSE

- Montfort Senior Secondary School

2012 - 2013

Percentage = 90.80%

### Class X, CBSE

- Montfort Senior Secondary School

2010 - 2011

CGPA - 10.00/10.00

## COMPETENCIES

### TECHNICAL SKILLS:

- Languages:** Familiar with C/C++, Python, JavaScript, SQL, HTML, CSS, PHP
- Softwares and Platforms:** Familiar with Postman, TensorFlow, Git, Flask, Google Cloud Platform, MATLAB
- Project Management Softwares:** Used Rational Requisite Pro, Rational Rose, Rational Software Architect
- Simulation Tools** - Used Keil uVision, LT Spice, PSpice, RIDE (8051), Flash Magic, NS2
- Hardware Platforms Programmed** - Intel 8051 Microcontroller, Intel 8086 Microprocessor, Raspberry Pi

### OTHER SKILLS:

- Graphics Design** -
  - Proficient in Adobe After Effects, Adobe Premiere Pro, , Sony Vegas Pro & Power Director
  - Familiar with Adobe Photoshop, Blender

## NOTABLE PROJECTS

Github: [www.github.com/jkeshav-bvignesh](https://www.github.com/jkeshav-bvignesh)

### Intelligent Room temperature control and monitoring using Deep Learning

Tools Used: Python, SQLite, Raspberry Pi, HTML5, JQuery, Bootstrap, Flask

### Tamil Handwritten Character Recognition using Deep Learning

Tools Used: Python, TensorFlow, JQuery, Bootstrap, Flask

### A game theoretical approach to solve Network Congestion

Tools Used: C++, NS2

### Traffic Optimization using a rudimentary ant colony optimization technique

Tools Used: C++

## EXPERIENCE

### Gethu Games

Junior Developer

Chennai, India

December 2016 - January 2017

- Designed an **AI for a mobile board game** that the user can play with
- Given the current board state the AI decides on the next optimal move and **responds in less than 50ms**
- Designed a **REST API** to support the web version of the game

## PERMANENT ADDRESS

Subiksha Hospital, 1st Mile,  
Chellarcovil P.O, Kumily - 8,  
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[jkeshav-bvignesh.github.io](https://github.com/jkeshav-bvignesh)

[in/jkeshav-bvignesh](https://in/jkeshav-bvignesh)

## LANGUAGES KNOWN

English, Tamil, Malayalam, Kannada

## ACHIEVEMENTS

- Won the **second prize in the Open house competition** conducted by the **Computer Science and engineering department** for a project
- School First** in class X and XII board examinations

## POSITIONS OF RESPONSIBILITY

- The head of the Dramatics club script team**
- Head of the cinematography team** of the college MOOC initiative

## OTHER INTERESTS

- Film Making
- Magic
- Graphics/VFX