

# VEERABHADRA KARTHEEK VATTI

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## Objective

Passionate about researching and implementing the latest advancements in the field of computer science and software engineering. Work-oriented and flexible with an ability to learn and evolve according to the project requirements.

## Education

**M.S in Computer Science - California State University East Bay (08/2019-07/2021)** CGPA - N/A

Coursework - Advance Algorithm, Operating Design, Web Systems, Computer Networks,Cybersecurity

**B.Tech in Computer Science - Andhra University (06/2015-07/2019)** CGPA - 7.5/10

Coursework - Data Structures and Algorithms, Software Engineering, Database Management, Computer Architecture, Microprocessors, Data Warehousing and Mining

## Technical Skills

**Programming Languages:** C, C++, Python, Java, R, Haskell, QML, Aduino

**Database Management:** MySQL, MongoDB

**Cloud Services:** Amazon AWS, Google Cloud

**Web Technologies:** HTML5, CSS, Javascript, React, Node js, Express js, Angular js

**Operating System Management:** Windows, Linux

## Professional Experience

### Ongoing Project

Working at a start-up focused on mental health wellbeing and entry level physical fitness training, as an application developer. To be launched on Android and Ios Appstore by Summer 2020

### Bharat Dynamics Limited (May 2018 – June 2018)

Internship at a Ministry of Defence, Government of India's Weapon Manufacturing organization. I wrote a paper on '3D Printing and its Approaches in Aerospace Technology' and developed a 3D scanning app using QML, QtCreator and Android App Programming. The paper explored the use of a cheaper and more efficient implementation of 3D printing for the manufacture of Missile components such as jigs and fixtures

### OCAC - Orissa Computer Application Centre (Dec 2015 – Feb 2016)

Web Application Development & Content Management using HTML and CSS

### NeonMind Technology Pvt. Ltd (May 2017 – June 2017)

System Development for support chain with algorithm analysis, system design, front-end design, and data collection and interpretation

### Newditech (Dec 2016 – Feb 2017)

Building a Client Management System for the company, an Online FAQ portal for queries and complaints, and also managing the database

## College Projects

Used JavaScript and CSS on 'Online Bookstore' and 'Train Ticket Reservation' projects. Final year project on 'Disease Prediction System Using Machine Learning'. Implementation done using Decision Tree, Random Forest, SVM, Naïve Bayes, J48, ANN, KNN algorithms

## **Workshop, Events & Publications**

### **Generalized SOR Method for solving Non-Square Linear Systems**

Assisted in the analysis, computation, and calculation on this paper along with V.B Kumar Vatti and M. Santosh Kumar which was published in 'International Journal of Innovative Science and Research Technology' (IJISRT) Volume 3 issue 11

### **Parametric Successive Over Relaxation (PSOR) Method**

Co-Author on the paper, along with V.B. Kumar Vatti and G. Chinna Rao which was published in the 4<sup>th</sup> Volume, 11<sup>th</sup> Issue of 'International Journal of Technical Innovation in Modern Engineering & Science' (IJTIMES)

### **Robotics and Embedded Systems**

Workshop conducted at Andhra University of putting together the necessary hardware and writing the code for Arduino motion sensing robot and a line following robot

### **Cloud computing**

Workshop cum seminar conducted in our college on the Fundamentals and Implementation of Cloud Computing

### **Full Stack Development with MEAN**

Workshop cum Project on building and deploying a completely functional web page using MongoDB, Express js, Angular js, and Node js

### **Part of the Creative Team for 'COMET 2018'**

Organized and managed the biggest infotainment/literary event in the city which included Musical Night, Poetry Slam, Mock Parliament, Stand-up Comedy and many more

## **Hobbies & Interests**

I spend my free time in perfecting my hobby of photography, art, and writing, often publishing them on my blog - 'Bohemian' and sending them to various competitions. I am also an avid reader and a cinephile. I was a core member of 'The Communicons AUCE(A) English Club' at my university.