Venkatesh Prasad Ramani

prasa-dd-vp.github.io/portfolio | venkateshprasad.vpr@gmail.com | github.com/prasa-dd-vp

WORK EXPERIENCE

ZOHO CORPORATION
Member Technical Staff
May 2019 – Present | Chennai, India
- Currently working on enhancing the dictionary and AI-powered writing assistant 'Zia' in the online word-processor Writer.
- Developed a browser extension for Proofing, which delivers the spell, grammar and writing style suggestions in real-time.

Project Trainee
December 2018 – April 2019 | Chennai, India
- Developed a feature in Java to report false positive suggestions for user content and added functionalities to store the entry in the Redis server to add to the dictionary in the online word processor Writer.

MAHINDRA RESEARCH VALLEY
Research Intern
June 2018 – July 2018 | Chennai, India
- Developed an application to estimate the wear in the blades used in tractors, using Convolutional Neural Network to predict its impact on the fuel consumption of the tractor using the multiple linear regression algorithm.

EDUCATION

ANNA UNIVERSITY
BEng in Computer Science and Engineering
April 2019 | Chennai, India
Cum. GPA: 3.6 / 4.0

SAI MATRICULATION HR. SEC. SCHOOL
XII | March 2015 | Chennai, India
Percentage: 95%
X | April 2013 | Chennai, India
Percentage: 98%

TECHNICAL SKILLS

Proficient with:
Java • Python • Javascript • HTML • CSS • Bootstrap
Django • Flask • Struts • SQL • Git • Mercurial
Tableau • SQLite • Redis

CERTIFICATION

- Data Analyst Nano Degree by Udacity
- A-Z Machine Learning by Udemy
- Introduction to R by DataCamp
- Introduction to Python by Spoken Tutorial, IIT Bombay.

ACADEMIC PROJECTS

PREDICTIVE MODEL FOR CANCER (Python)
Developed a progressive web app, which uses a chat-bot to answer user queries and to collect data from them to predict the survivability and classify the stage of breast cancer using multiple linear regression and artificial neural network respectively.

AUTOMATIC TOLL TAX COLLECTION SYSTEM (c)
Developed an embedded system using the Universal Learning Kit (ULK) with the integration of Radio-frequency Identification (RFID), which aims at automating the toll tax collection process.

HACKATHON PROJECTS

F-SUITE (Python, Java)
Developed an Android application interfacing with Django framework, which uses regression models, Computer Vision techniques and Convolutional Neural Network to provide a suite of functionalities to farmers, such as crop suggestion, yield prediction and crop disease identification.

SMART JAR (Embedded c)
Implemented an Internet of Thing (IoT) model using NodeMCU for the rehabilitation centers to control and monitor a person's drinking habit by processing the MQ3 sensor data stored and retrieved from ThingSpeak cloud channel.

PET PROJECTS

GOOGLE NGRAM API (Python)
Developed an Android application interfacing with Django framework, which uses regression models, Computer Vision techniques and Convolutional Neural Network to provide a suite of functionalities to farmers, such as crop suggestion, yield prediction and crop disease identification.

STRATEGIZER (Python)
It is an online algorithmic trading platform developed using Django framework which lets the investors to create their own algorithms and strategies to automate the trading of stocks from National Stock Exchange (NSE), India.

AWARDS

- Best Out-going Student award from undergraduate school
- Won Department Topper award thrice during for securing top three ranks in undergraduate university examinations
- Best Business Social Idea award for F-Suite from India Electronics and Semiconductor Association
- Runner up award in an IoT Competition conducted by Go Tech Workshops.
- First Prize in a Robotic competition in a national level technical symposium at Velammal Institue of Technology.