Shanmukha **Saketha Ramanujam** S

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EDUCATION

Gayatri Vidya Parishad College of Engineering(A)
B.Tech.
in Electronics and Communications
Expected Graduation: 2019
Cumulative GPA: 7.72 / 10

COURSEWORK

Real-Time Operating Systems
Computer Networks
Data Communication Networks
Electronics Devices and Analysis
Data Structures and Algorithms
Microwave Antenna Design
Microcontroller Programming

POSITIONS

Campus Expert,
GitHub – GVPCE(A)
Sept.2018 - Present
Mentor, GVP-AI-CLUB
2018 - Present
Club Coordinator, College Cultural Club, GVPCE(A)
2017 - 2018

SKILLS

PROGRAMMING/SCRIPTING

Regular:

C • Python • CSS • JS • Matlab

Familiar:

Shell • MySQL • C# • Java

LIBRARIES/FRAMEWORKS

Game Engines:

• Unity

Web:

• NodeJS • Flask • Jekyll

• Bootstrap • Material Design

Machine and Deep Learning:

• Tensorflow • Keras

Operating Systems:

• Linux • Windows

EXPERIENCE

Gayatri Vidya Parishad Artificial Intelligence Club | Content Moderator
July 2018 – Present | Visakhapatnam, IN

- Maintainer of the organization and website for GVP-AI-Club, an open initiative to train individuals on machine learning.
- Responsible for automating and integrating test suites for student submission repository

Scientific and Industrial Research Centre – GVP | Research Intern
May 2018 – Present | Visakhapatnam, IN

- Responsible for Developing Machine Learning Models and deploying them for sensor data analysis and classification in opto-electronics experiments with low power lasers.
- Implemented **socket communication** protocol for high speed sensor data transfer over local wireless networks using TCP sockets.
- Deployed automation system for image processing tasks with **Google Cloud Platform** and **Firebase Integration.**

Khadga Entertainment | Game Development and Sound Design Intern
Jan 2017 – March 2018| Visakhapatnam, IN

- Responsible for sound design of hyper-casual game segment called **Freak Space**
- Prototyped a hyper casual one tap game and a 3d infinite runner.
- Part of the design and maintenance team of the website www.khadga.com

RECENT PROJECTS

CLASSIFICATION MODEL(s) FOR LASER DATA – Random Forests | Python

- Implemented and tuned the Random Forests Classifier model for event classification.

REAL TIME DATA MONITORING SYSTEM – Socket Programming | Python

- Implementation of TCP/IP socket communication system for sensor data transfer.

GAZE POINT HEAT MAP – OpenCV | Python

- Heatmap generation application using OpenCV in python to analyse user gaze.

AWARDS AND RECOGNITIONS

Second Runner up, Game Design and Prototyping Competition by Unity
November 2018

Campus Expert Recognition from GitHub
September 2018

National Finalist (Top 45), L&T TS – Techgium Competition
April 2018