

B Sai Hemanth Reddy

saihemanthbr.github.io | linkedin.com/in/saihemanthbr | github.com/saihemanthbr

EDUCATION

CVR College of Engineering

Bachelor of Technology in Computer Science and Engineering; GPA: 9.3/10.0

Hyderabad, TS, IN

Expected Grad. in April 2021

Narayana Junior College

Intermediate (MPC); Percentage: 93.8%

Hyderabad, TS, IN

Class of 2017

St. Joseph's School

ICSE; Percentage: 88.67%

Hyderabad, TS, IN

Class of 2015

PROJECTS

Kushagra | *Android, iOS, Firebase, Python, Flask, Docker*

May 2020 – June 2020

- Developed an iOS mobile application with Flask serving a REST API.
- Built a CNN model using transfer learning technique with ResNet-50 as feature extractor for detecting of crops and crop diseases in images.
- Integrated Firebase with iOS app (Firebase Auth for user authentication, Firestore for NoSQL database, Firebase Storage for Cloud Storage).
- **Repository:** github.com/SaiHemanthBR/Kushagra

Sputify | *Node.js, React, Python, Django*

Feb. 2020 – Feb. 2020

- Developed a full-stack web application with Django serving a REST API with React as the frontend.
- **Repository:** github.com/SaiHemanthBR/Sputify

Physics Simulations | *Python, pygame, Swift, Metal*

July 2019 – Present

- Implemented simple physics simulations without any game/physics engines.
- Used pygame(OpenGL graphics) and Apple Metal for rendering simulations using GPU.
- **Repository:** github.com/SaiHemanthBR/PhysicsSims

TECHNICAL SKILLS

Languages: Python, C, C++, Java, Swift, JavaScript, HTML, CSS

Databases: MySQL, Oracle, MongoDB

Frameworks: React, React-Native, Node.js, Flask, UIKit, Django

Developer Tools: Git, Docker, Amazon Web Services, VS Code, Xcode, Android Studio, Firebase, Jupyter Notebooks

Libraries: pandas, NumPy, Matplotlib, PyTorch

CERTIFICATES

Neural Networks and Deep Learning

coursera.org/account/accomplishments/certificate/7G3M9VXX2LTF

May 2020

deeplearning.ai

Improving Deep Neural Networks

coursera.org/account/accomplishments/certificate/MWECCZDQ2PVH

June 2020

deeplearning.ai

Structuring Machine Learning Projects

coursera.org/account/accomplishments/certificate/QGTBJTTU4PRB

June 2020

deeplearning.ai

Introduction to MongoDB

coursera.org/account/accomplishments/certificate/J4CGJYUH39ZC

April 2020

MongoDB University

Getting Started with Google Kubernetes Engine

coursera.org/account/accomplishments/certificate/ZX3E42BDSRBU

July 2020

Coursera