

# B Sai Hemanth Reddy

+91 91210 14020 | [sh.bheemreddy@gmail.com](mailto:sh.bheemreddy@gmail.com) | [linkedin.com/in/saihemanthbr](https://www.linkedin.com/in/saihemanthbr) | [github.com/SaiHemanthBR](https://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](https://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](https://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](https://github.com/SaiHemanthBR/PhysicsSims)

## TECHNICAL SKILLS

---

**Languages:** Python, C, C++, Java, Swift, SQL (MySQL, Oracle Database), NoSQL (MongoDB), JavaScript, HTML, CSS

**Databases:** MySQL, Oracle, MongoDB

**Frameworks:** React, Node.js, Flask, Django

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

**Libraries:** pandas, NumPy, Matplotlib, PyTorch, TensorFlow

## CERTIFICATES

---

### Neural Networks and Deep Learning

[coursera.org/account/accomplishments/certificate/7G3M9VXX2LTF](https://coursera.org/account/accomplishments/certificate/7G3M9VXX2LTF)

May 2020

*deeplearning.ai*

### Improving Deep Neural Networks

[coursera.org/account/accomplishments/certificate/MWECCZDQ2PVH](https://coursera.org/account/accomplishments/certificate/MWECCZDQ2PVH)

June 2020

*deeplearning.ai*

### Structuring Machine Learning Projects

[coursera.org/account/accomplishments/certificate/QGTBJTTU4PRB](https://coursera.org/account/accomplishments/certificate/QGTBJTTU4PRB)

June 2020

*deeplearning.ai*

### Introduction to MongoDB

[coursera.org/account/accomplishments/certificate/J4CGJYUH39ZC](https://coursera.org/account/accomplishments/certificate/J4CGJYUH39ZC)

April 2020

*MongoDB University*

### Getting Started with Google Kubernetes Engine

[coursera.org/account/accomplishments/certificate/ZX3E42BDSRBU](https://coursera.org/account/accomplishments/certificate/ZX3E42BDSRBU)

July 2020

*Coursera*