**SRIHARSHA KOTCHARLAKOT** [github.com/sriharsha2000](https://github.com/sriharsha2000)

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Hyderabad, India [linkedin.com/in/sriharshakotcharlakot](https://www.linkedin.com/in/sriharshakotcharlakot)

**EDUCATION**

**Bachelor of Technology in Computer Science and Engineering Aug 2017 - Exp. Jun 2021**

MLR Institute of Technology, Dundigal, Hyderabad

CGPA: 7.68 (Up to 3rd Year 1st Semester)

**Intermediate Education in Maths, Physics, and Chemistry Jun 2015 - May 2017**

Sri Chaitanya Junior Kalasala, DD Colony, Hyderabad

Percentage: 91.7%

**Secondary Education Jun 2014 - Apr 2015**

Johnson Grammar School, Kakatiya Nagar, Hyderabad

CGPA: 9.0

**Certifications & MOOCs**

* [*Neural Networks and Deep Learning by deeplearning.ai on Coursera*](https://www.coursera.org/account/accomplishments/certificate/KZ4NWKT8HPMB) *Apr 2020*
* [*CodeChef Certified Data Structure & Algorithms Programme*](https://www.codechef.com/certificates/public/ca2199f) *- Foundation Level Sept 2019*
* *Programming in Java on* [*NPTEL*](https://nptel.ac.in/)*Jan - Apr 2019*

**EXPERIENCE**

[**Blender Foundation**](http://www.blender.org) **| Google Summer of Code 2020 Student Jun 2020 - Aug 2020**

* Worked on extending the functionality of **Blender, an open-source 3D computer graphics software** developed and maintained by Blender Foundation *(Website:* [*blender.org*](http://www.blender.org)*)*.
* Extended Blender’s viewport display tools by adding support for visualizing liquid simulation grids using C and shader programming.
* Improved user-control over the fluid visualization in the viewport by providing various minor display options that aid in making the visualization of the simulation data more informative.
* For more details on the project and the developed source code, please click the following project link and continue to *GET THE CODE.*
* *Project Link:* [*summerofcode.withgoogle.com/archive/2020/projects/6016737583038464/*](https://summerofcode.withgoogle.com/archive/2020/projects/6016737583038464/)

**PERSONAL PROJECTS**

* **Simple PDF Editor | Python -** [*https://github.com/sriharsha2000/Simple-PDF-Editor*](https://github.com/sriharsha2000/Simple-PDF-Editor)

Developed a collection of python scripts to extract text, remove pages, and generate audiobooks from PDF files.

* **Auto Wash | Java, Android -** [*https://github.com/sriharsha2000/AutoWashe*](https://github.com/sriharsha2000/AutoWashe)

As one in a team of 3, designed and developed an Android app for providing an online platform for ordering and delivering eco-friendly car-washing service.

* **Rough Drift | C#, Unity -** [*https://sriharsha2000.github.io/RoughDrift/*](https://sriharsha2000.github.io/RoughDrift/)

Designed and developed a real-time physics-based endless runner game made using C# and Unity3D game engine.

* **My Address Viewer | Java, Android -** [*https://github.com/sriharsha2000/MyAddressViewer*](https://github.com/sriharsha2000/MyAddressViewer)

Developed an Android application that shows the address of the current location in plain text.

**TECHNICAL SKILLS**

**Proficient with** C, C++, Java, Python

**Familiar with** PHP, SQL, JavaScript, HTML, CSS, NumPy, Pandas, Tensorflow & Keras, GLSL, XML

**Experienced with** Android, Linux, Git, GitHub, Phabricator, Arcanist, Bash, Unity3D

**ACHIEVEMENTS**

* ACM-ICPC 2019-20 Asia Amritapuri Doublesite Regionalist. ([*ICPCID*](https://icpc.baylor.edu/ICPCID/56XAZ3V6NY0S))
* As one in a team of 4, participated in Google HashCode 2020 Online Qualification Round and stood at the 65th percentile among over 10,000 teams from around the world.
* Achieved a *4-star* rating on CodeChef. (Username: [*sriharsha\_2000*](https://www.codechef.com/users/sriharsha_2000), Highest rating: 1856)
* Ranked among the top 500 out of over 15,000 participants from around the world in [*CodeChef February Long Challenge 2020*](https://www.codechef.com/rankings/FEB20B).
* Ranked 210th globally out of over 7,000 participants in TCS CodeVita Season 8 Round 1 Zone 2.