

# SRIHARSHA KOTCHARLAKOT

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Hyderabad, India

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## 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 3<sup>rd</sup> Year 1<sup>st</sup> 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](#) Apr 2020
- [CodeChef Certified Data Structure & Algorithms Programme - Foundation Level](#) Sept 2019
- [Programming in Java on NPTEL](#) Jan - Apr 2019

## EXPERIENCE

### Blender Foundation | 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](https://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>  
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>  
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/>  
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>  
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](#))
- As one in a team of 4, participated in Google HashCode 2020 Online Qualification Round and stood at the 65<sup>th</sup> percentile among over 10,000 teams from around the world.
- Achieved a *4-star* rating on CodeChef. (Username: [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](#).
- Ranked 210<sup>th</sup> globally out of over 7,000 participants in TCS CodeVita Season 8 Round 1 Zone 2.