

Jagadeesh Kotra

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1 Introduction

Highly **Motivated**, **Adaptable** and **Creative** Programmer with a passion for computers.

I can make an impact on anything with my out-of-box thinking and the perseverance to achieve the goal.

2 Technical Skills

2.1 Programming Languages

- C / C++
- Python
- Javascript
- Java
- Rust
- CUDA & OpenCL

2.2 Frameworks

- React Native
- GTK
- Tensorflow/Keras
- React
- Pytorch
- Sklearn

2.3 Human Languages

- English - Professional Working Proficiency
- Telugu - Native Proficiency

3 Projects

• PDFUnlockr

- Android Application made with React Native and [qpdf](#).
- uses React Native Native Modules to bridge between JavaScript and C++.
- Clean and clutter-free UI design. No limitation on decryption.
- Ability to process multiple files at a time AKA Bulk Processing.
- [Available on Google Play Store](#).

• OUResults

- Android Application to view examination/semester results. made with React Native.
- Utilizes publicly available endpoints to parse results from HTML.
- Persistence requests model to combat slow response during initial hours.
- [Available on Google Play Store](#).

• eOVPN

- Desktop GUI Application to Manage, Update and connect to OpenVPN Configurations. Made with [GTK](#).
- Utilizes GNOME ecosystem of libraries – GLib Gio, Gdk to seamlessly integrate with GNOME Desktop Environment.
- Open-source - [Available at Github](#).

• Algoticks

- Algorithmic Trading simulator written in C. Optimized for one thing - SPEED. it can process up to 0.8 million *lines / sec*.
- input data agnostic simulation.
- Easy to write algorithm template, supports custom callback modules (ex. logging)
- Open-source - [Available on Github](#).

- **WPC**

- WPC - Wallpaper Changer is a cross-platform timer-based wallpaper changer. Written in Rust.
- It can automatically scrap wallpapers from different sources.
- Actively used and promoted by one of the popular internet wallpaper community.
- Open-source - [Available on Github](#).

- An up to date collection of all my projects is [available on my blog](#).

4 Education

Bachelor of Science (**B.sc**)
Osmania University
2018 - 2021

5 Miscellaneous

5.1 Opensoure Contributions

- [GNOME](#)
- [freedesktop](#)
- [microsoft/LightGBM](#)
- [Vapoursynth](#)

5.2 Recognitions

- [Netflix](#) Hall of Fame for reporting a security bug.

5.3 Certificates

- [Mathematics for Machine Learning: Linear Algebra](#)
- [Machine Learning with Python](#)