

Jagadeesh Kotra

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1 Introduction

Enthusiastic and Motivated Software Developer. Polyglot programmer proficient in problem solving and engineering. Active Open Source Contributor.

2 Technical Skills

2.1 Programming Languages

- Java
- C / C++
- Python
- Rust
- JavaScript / TypeScript
- CUDA & OpenCL

2.2 Frameworks

- Spring
- Angular
- React Native
- GTK
- Pytorch
- Keras

2.3 Human Languages

- English - Professional Working Proficiency
- Telugu - Native Proficiency

3 Projects

- **PDFUnlockr**
 - Android Application built with React Native and [qpdf](#).
 - uses RN's 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. Built 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](#).
- **eVPN**
 - 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](#).
- **Nag**
 - Nag enables you to set repeated reminders sent as notifications at customizable intervals. Built with React Native.
 - adapts to Material You Design principles introduced in Android 12.
 - [Available on Google Play Store](#).

- **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**) M.P.CS
 Sri Sai Degree & PG Collage, Hyderabad
 2018 - 2021

5 Miscellaneous

5.1 Opensoure Contributions

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

5.2 Recognitions

- [Netflix Hall of Fame](#)

5.3 Certificates

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