

VJS Pranavasri

CONTACT DETAILS

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EDUCATION

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY, HYDERABAD

B-tech and MS Through research in Computer Science (2020-ongoing)

SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE

B-tech in Computer Science (2018-2020)

EXCELLENCIA JUNIOR COLLEGE

Secondary Education (2016-2018)

PROJECTS/EXPERIENCE

- StagOS – Operating System based on Android Open-Source Project (Source: [here](#))
Lead Developer, Co-Founder
 - Complete BringUp From Scratch across Multiple versions
 - Lead a group of 13 people who maintain the project for their device
 - Fixed a major bug in Android System that caused the system to crash requiring data wipe
- StagBin – A pastebin created in MERN Stack (Source: [here](#), Hosted: [here](#))
 - Migrated backend to AWS Serverless lambda
 - Migrated database to dynamo DB.
- Interned at DIILAB, IIM-B
 - Worked on an Interrater that calculated agreement between two raters, written in Python
 - Used Statistical Measures Like Cohen's Kappa, Krippendorff's Alpha, F1 Score for comparing Multiple Scores to give one value as output.
 - Used Libraries like numpy, Pandas (for working on dataset), tkinter (for GUI), Threading etc.
- Porting Experiments to JavaScript, Virtual Labs (Course Project)
 - Converting Flash animations/Java Plugin Animations into pure JS
 - Making it mobile first responsive
- Interned at Virtual Labs
 - Worked on the build platform
 - Created/Ported experiments for all the students to use.
- Interned at Pet Perfect as a backend developer
 - Worked on their notification scheduler
 - Worked on scraping data and creating a web portal for backend.
- Interned at Metriculus Digital Solutions
 - Worked on kernel source and implemented scheduling algorithm fix.
 - Made a bootloader from scratch for 32-bit devices, in assembly language.
 - Wrote a text editor in C implementing File Locks and working with kernel system calls.

- Created a Job Application portal from scratch using MERN Stack.
 - Has user registration/login for two different types of users.
 - Has many conditions handled for Jobs application logic.
- Created a Brick Breaker game in python shell ([code here](#)).
 - Without help of any external libraries.
 - Has power ups and lives implemented.
- Created a Linux Shell in C from scratch ([code here](#)).
 - Supports custom commands written.
 - With support for input output redirection.
 - With support for piping.
- Telegram Bots (Written in Python using Telegram API) – Open Sourced
 - That compiles C, C++ Python (interpret and compile) in an interactive chat format ([code here](#))
 - Trigger Jenkins Builds remotely using a inline command to bot ([code here](#))
 - To resolve Sepolicy denials for enforcing SELinux from android log. ([code here](#))
- Scripts for Sepolicy, remote Jenkins build triggers, compiling Android Operating System
- An interactive Train Reservation system written in C
 - Co-ordinated with a team of 3 people, breaking the problem into smaller parts.
 - With Account creation (Admin/User)
 - Booking of Tickets, Cancellation, Multiple Tickets Booking
 - No 2 tickets assigned on same day date year
 - Allowance to view all available trains
 - And a chance for admin to add delete edit details of train.
 - All details stored and reloaded on reopening so as avoiding loss of data
- Placed first in an internal hackathon presentation for SIH, conducted in our college.

SKILLS

- **Proficient Languages**
 - C
 - C++
 - Java
 - Python
 - Bash(shell) scripting
 - MySQL
 - Racket
 - Haskell
- **Stacks**
 - MERN
 - Python Flask Backend
- **Other Languages**
 - Dart
 - HTML, CSS
 - Go Lang
 - R
 - Javascript

- **Courses**
 - Introduction to Computer Science and Programming Using Python, MIT ([certificate](#))
 - Python Core and Advanced, Udemy ([certificate](#))
 - Advanced Data Structures in Java, UC San Diego ([certificate](#))
- Good knowledge on basic data structures (LinkedList, Trees and Graphs) and their implementations and algorithms (greedy, minimum cost etc) in C++ and Java.
- Experience with using BeautifulSoup, Pandas, numpy libraries in Python
- Experience with working Linux
- Experience with working on Linux Cloud Servers connected through SSH
- Setting up a webserver using apache2 and hosting websites and redirecting.
- Setting up Jenkins using reverse proxy for CI, automating tasks and scheduling multiple jobs and hosting it using apache2.
- Using Git through GUI, Terminal or git bash, for versioning and a proper commit history.
- Creating integrations with GitHub and managing huge projects with proper authorships and if required rebasing.

LANGUAGES

- English – Fluent
- Hindi — Fluent
- Telugu — Fluent
- French — Beginner

HOBBIES

- Coding
- Cooking
- Listening to Music