

# YASH ANAND

## Software Engineer

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I am a design-savvy software engineer with a passion for web applications and systems programming. I have delivered high-quality solutions over the years for both enterprise and startups. With a Master's from a top CS school, brandishing a skillset that cuts across all aspects of the field, I'm poised to take on any software engineering challenge headed my way.

## COURSES

*Compiler Design*  
*Software Architecture*  
*Web Apps Development*  
*Intro to Computer Systems*  
*Advanced Formal Methods*  
*Advanced Arch. & Design*  
*Agile Methods*  
*Quality Assurance*  
*Software Project Management*

## EDUCATION

Graduating in Dec 2023

### Master of Software Engineering

Carnegie Mellon University, School of Computer Science

CGPA: 4/4 • Pittsburgh, U.S.A

Teaching Assistant for Software Architecture & Web Apps Development

**GRE**

Score: 330

**TOEFL**

Score: 106

Graduated in May 2019

### Bachelor of Technology in Information Technology

Vellore Institute of Technology

CGPA: 8.49/10 • Vellore, India

Core Committee Member of Computer Society of India

**Languages**

English, Hindi (Native)

## EXPERIENCE

Jul 2019 - Jul 2022

### Software Engineer

Shell

Bangalore, India (On-site)

Sep 2018 - Jul 2019

### Lead Software Developer

Vicara

Vellore, India (Part-time, Hybrid)

Feb 2017 - Feb 2019

### Software Development Intern

AppSecure

Vellore, India (Part-time, Remote)

- Improved performance (latency) of org-wide skills management application by 70%.
- Implemented mission-critical software used to manage projects, resources, and security incidents across the organization and pioneered a CI/CD initiative for the platform.
- Winner of VP CIO Award (May 2021) and Service & Special Recognition Awards.
- Solely developed the desktop user interface for a wearable gesture controller called Kai.
- Lead software team for a product that raised over \$100k via crowdfunding on Indiegogo.
- While simultaneously pursuing an undergraduate degree, built the entire web eco-system including UI component libraries, product website, auth intermediary, and many more.
- Single-handedly developed and designed multiple security-based SaaS apps during the start-up's formative years while simultaneously pursuing an undergraduate degree.
- Pivotal work that contributed to start-up's listing in Forbes 30 under 30 Asia (2017).
- Built a web app (rakshak.io) that was acclaimed at the RISE Conference, Hong Kong (2018).

## PROJECTS

2023 • Team of 2 • CMU

### C0 Compiler

OCaml, x86, WebAssembly

2022 • Team of 2 • CMU

### Chesster

JavaScript, Django

2019 • Solo • Vicara

### Kai Control Center

Angular, RxJS, Electron

2018 • Solo • AppSecure

### Rakshak Beta

Angular, Node.js

- Within a semester, we wrote a memory-safe x86-64 compiler for a subset of the C language that achieved performance levels on par with industry-standard GCC (-O1).
- Features included strings, function pointers, arrays, structs, and a WebAssembly target.
- In just a few days, we built a fully-functional online chess multiplayer game that featured in-game spectators, chat and a global live feed of top-spectated games.
- Challenged ourselves by using vanilla JavaScript for complex asynchronous interactions.
- Solely built a cross-platform desktop app for a wearable gesture controller called Kai.
- Product (Kai) eventually raised over \$100k via crowdfunding on Indiegogo.
- Built critical module to deliver software patches to devices's entire software eco-system.
- Solely designed and developed a SaaS app for automatic web app security monitoring.
- The application was acclaimed at the RISE Conference, Hong Kong (2018).
- Incl. enterprise-grade features for scalability & interoperability with enterprise systems.

## CERTs

### Cert. Application Developer

ServiceNow

### Cert. Implementation Specialist

ServiceNow

### Top Skills

Web Applications

Functional Programming

Systems Programming

### Languages

C / C++   JavaScript

OCaml   Java

Python   x86 Assembly

### Tools/Technologies

Angular   WebAssembly   Django

React   Node.js   AWS

Redux   Electron   Firebase