

# Vighnesh Raut

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## EDUCATION

### BMSIT

#### B.E. IN COMPUTER SCIENCE

August 2015 - June 2019  
Bengaluru, Karnataka

## LINKS

Email:// [pikachu@vighnesh153.dev](mailto:pikachu@vighnesh153.dev)  
Website:// [vighnesh153.dev](https://vighnesh153.dev)  
Blog:// [vighnesh153.dev/blog](https://vighnesh153.dev/blog)  
Github:// [github/vighnesh153](https://github.com/vighnesh153)  
LinkedIn:// [linkedin/vighnesh153](https://linkedin.com/vighnesh153)

## SKILLS

### LANGUAGES

- Typescript • Kotlin • Javascript
- Golang • Java

### FRAMEWORKS | TOOLS

- Astro.js • React.js • Android
- Jetpack Compose • Next.js
- Svelte.js • Solid.js • Tailwind CSS
- SST

### CLOUD SERVICES

- AWS • Firebase • Cloudflare
- Mongo DB Atlas
- Squarespace Domains
- Namecheap

## INTERESTS & HOBBIES

- Theoretical Mathematics
- Graphics Programming
- Compilers
- Performance Analysis
- Neuro-Science
- Mobile Games

## EXPERIENCE

### GOOGLE | Bengaluru, India

Software Engineer 3 | Nov 2023 - Present

Software Engineer 2 | July 2022 - Oct 2023

- Developed an Android SDK adopted by over 10 media partners, improving video content discovery and user engagement on Google TV.
- Led the development of the Jetpack Compose Material library for TV, providing pre-built UI components optimized for large screen devices and remote control navigation.
- Modernizing the Google Tv mobile app used by over 100 million users every month

### AMAZON | Bengaluru, India

Front-End Engineer 1 | June 2022 - July 2022

Web Development Engineer 1 | Sept 2020 - May 2022

- Led the Overhaul and modernization of the Android app submission flow on the Amazon Developer Console, optimizing the workflow for increased developer productivity.
- Designed and built an engaging internal portal to reinforce the "Day 1" philosophy at Amazon, driving employee participation and cultural awareness.
- Developed a suite of internal tools and libraries using ReactJS, TypeScript, and Java to improve efficiency and productivity across various teams.

### SMARTER CODES | Pune, India

Full Stack Engineer | July 2020 - Sept 2020

Built plugins for Mattermost chat service to bridge the gap between it and RocketChat

### TAVISCA SOLUTIONS | Pune, India

Software Trainee | July 2019 - Jan 2020

Completed a 4-month software engineering training program, culminating in a road-trip planner project and contributing to the resolution of production-impacting issues.

## PROJECTS

### SPL PROGRAMMING LANGUAGE

A toy programming language to understand what it takes to build a programming language with frighteningly little understanding of compiler design. [Click to visit.](#)

### TSX PLAYGROUND

Built an innovative in-browser development environment featuring a WebAssembly-powered transpiler and bundler (esbuild), with support for React, TypeScript, and on-demand NPM module imports. [Click to visit.](#)

### GRAPHICS ILLUSTRATIONS

Graphical animations of algorithms and mathematical concepts using the Canvas API. [Click to visit.](#)

### GAMES

Games built using the Canvas API. [Click to visit.](#)