Viraj Khatri

virajkhatri@gmail.com

vtkhatri

+1 469 922 4573

Objective

Graduate Architecture Intern at Hillsboro or Santa Clara

Education

- **Portland State University, Portland, OR** - / 4.0
  M.Sc Electrical and Computer Engineering *Fall 2021 – Spring 2023*
  - Relevant Courses -
    - ECE 581 - ASIC Modelling and Synthesis (Dr. Xaiyou Song Fall 2021
    - ECE 585 - Microprocessor System Design (Mark Faust) Fall 2021
    - (tentative) ECE 586 - Computer Architecture (Mark Faust) Winter 2022
    - (tentative) ECE 587 - Advanced CompArch I (Yuchen Huang) Spring 2022
    - (tentative) ECE 588 - Advanced CompArch II (Yuchen Huang) Fall 2022

- **College of Engineering, Pune, Maharashtra, India** 3.2 / 4.0
  B.Tech Electronics and Telecommunication Engineering *May 2015 – June 2019*

Experience

- **Tejas Networks** Mumbai, Maharashtra, India
  Research and Development Engineer *August 2019 - August 2021*
  - Integrated a new network switching product into Tejas ecosystem.
  - Lead Engineer on implementation of feature request by Tejas network's clients.
  - Train new recruits to the team and enable them to contribute meaningfully.

  Technologies: C/C++, Bash, SQL, and Python.
  Theory: Device Drivers, VLAN traffic filtering, DHCP, and Bandwidth Management.

- **DOT Sys Technologies** Mumbai, Maharashtra, India
  Design Intern *May 2018 - August 2018*
  - Programmable Battery Charger -

  Technologies: Arduino.
  Theory: Transistor theory and Analog Circuits.

- **Eduvance** Mumabai, Maharashtra, India
  Intern (part-time to full-time) *May 2017 - January 2020*
  - Developed a Smart Paper Tracking System.
  - Presented my B.Tech Final Project.

  Technologies: Python, Cypress PSOC4.
  Theory: Internet of Things, Bluetooth Low Energy, and Communication Protocols.

Projects

- hamming_code: Asynchronous Hamming Encoder and Decoder in System Verilog.
- i2c: I2C master and slave implemented in Verilog, currently re-writing code in to System Verilog.
- ffind: Small wrapper for find command in linux to make find accept grep-like arguments.
- Music-Player-GO: Feature Contributions to open source Music Player app.

Personal publications

- Modified MD5 Algorithm for Low-End IoT Edge Devices. Viraj Khatri, Dr. Vanita Agarwal. ICCCNT2019

Other programming tools

- **Neural Network Frameworks:** Keras, Tensorflow.