

## Profile

I am passionate about Software Product Development and working in automation and productivity improvement-focused software product development initiatives at Bosch. I am currently developing software products using **Python3** for multiple Bosch home appliances. Even worked on an **automatic code generator** for multiple products. Being passionate about Software product development and solving new problems, I have developed and published 3 applications in GitHub ([App 1](#), [App 2](#), [App 3](#)).

## Top Skills

- ⇒ Software Product Development in **Python3**
- ⇒ Automatic Python Code Generator
- ⇒ Basics of Data Science and Machine Learning:
  - Data Processing: **pandas**, **numpy**, **EDA**, **scipy**
  - Web Scrapping: **BeautifulSoup**
  - Data visualization: **matplotlib**, **seaborn**
  - Machine Learning: **sklearn**

## Tools and Technology

- ⇒ Jira, Jenkins, Pytest
- ⇒ Streamlit, git, github actions
- ⇒ Flask, SQL
- ⇒ Office 365, Microsoft Teams

## Certification

- ⇒ Android App. Development in **Core Java** from **HP**

## Coding Venture - GitHub

- ⇒ [Smart Door Bell](#)
- ⇒ [File Server Client](#)
- ⇒ [YouTube Video Downloader](#)

## My Experience, Total – 7.5 years

### Sr. Software Development Engineer – Bosch (24 months)

- ⇒ **Automatic Code Generator Tool**
  - Developed a tool with user base of ~500 that can automatically generate python code based on specific input format to improve development productivity by 80%
  - These generated python adapter files provides various APIs used for communicating with the lower layer embedded hardware via TCP/Websocket communication
- ⇒ **Embedded Adapter Communication Tools:**
  - **Desktop Bus:** Developed a tool that provides APIs to communicate with hardware which supports only bus communication on Linux environment
  - **Secure Shell:** Developed a tool based on Paramiko to communicate with hardware using SSH protocol that provides various APIs that can inject files/directories and read files/directories to and from the hardware capable of SSH communication
  - These tools helps in interacting with the hardware for diagnostic, monitoring and debugging purposes with user base of >1000
- ⇒ Jointly developed multiple tools using Python3 with the team for **multiple customers** that use our product on a daily basis

### Sr. Software Development Engineer in Test – Zebra Technologies (16 months)

- ⇒ **Developed software build management product using Python3 and Django**
  - Developed a software product with a user base of ~100, to improve software development productivity by >20%. This product offers hyper automation to handle build execution and segregate versions that are suitable for various Android concierge products
  - This product can control devices attached to a specific machine for build flashing and unit testing for the builds

### Sr. System Engineer - Ribbon Communication, Infosys (24 months)

- ⇒ Independently developed 2 **platforms** from scratch in Django and improve the software development cycle efficiency by 95%
- ⇒ Developed 1 robot to auto detect faulty cards of servers and self-debug in Python3

### System Engineer, Cisco, Infosys (24 months)

- ⇒ **Conducted** Web Automation verification and validation using Python3 in CCM Product
- ⇒ Jointly worked with **VoIP** team to develop automation programs for checking call statistics

## Internship

### Python3, Infosys Mysore

- ⇒ Well acquainted with Basics of OOP, DS, Algorithm, Python3 Coding

### Web Development in PHP, University

- ⇒ Extensive Knowledge in HTML, CSS, JS, jQuery

## Academics

- ⇒ B.Tech in Computer Science and Engineering, Kalinga Institute of Industrial Technology, 2016
- ⇒ ISC - 12<sup>th</sup>, 2012
- ⇒ ICSE - 10<sup>th</sup>, 2010

## Contact

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