

# Swapnil Kalra

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## EDUCATION

**Ramaiah Institute of Technology**, Bengaluru

Bachelor of Engineering in Information Science and Engineering

Courses: Data Structures, Design Analysis & Algorithms, Operating System, DBMS

August 2015 - July 2019

GPA: 9.34/10

**Bishop Conrad Senior Secondary School, Bareilly**

PCM with Computer Science

April 2013 – March 2015

Grade: 94%

## SKILLS

- **Languages:** Python, Typescript, C/C++, Java, HTML, JavaScript, SQL
- **Technologies:** Angular, Flask, Django, REST APIs, Dockers, Kubernetes, Git, Jenkins.
- **Platforms:** Linux, Ubuntu

## EXPERIENCE

**Micro Focus**, Senior Software Engineer, Bengaluru

March 2022 - Present

- Working to scale AMCA (Agile Methodologies Contrivance Analysis) by deploying it in Kubernetes.

**Micro Focus**, Software Engineer, Bengaluru

Aug 2019 - Feb 2022

- Developed AMCA (Agile Methodologies Contrivance Analysis)- is a web-based agile project tracking dashboard helpful in tracking epics, stories, bug, and other tasks. It integrates with different tools like ALM Octane, Jenkins and SonarQube. It's built using Angular for User Interface and Python Django for backend, making it a powerful web application.
- Developed Automated Common Appliance Framework (CAF) – for automating the process of downloading OVA files from build server and deployment of the Appliance Virtual machine. Designed in Python with web micro framework flask and VM ware Power cli modules.
- Designed and maintained a simulator tool for ZENworks Mobile Management using Python flask and deployed it using Docker Swarm.

**Micro Focus**, Project Intern, Bengaluru

February 2019 - July 2019

- Implemented REST APIs using Python Flask and provided clerical assistance to senior project staff. Worked on Dockers, Kubernetes.

## PUBLICATIONS

- [A Study of Use Cases for Smart Contracts using Blockchain Technology](#)

October 2018

## PROJECTS

**Night owl Online Book Hub Application** (Angular, Typescript, Django)

- Developed an online book hub for viewing, managing and statistical information.

**Library Management Application** (Java, Android, SQL)

- Expanded user engagement in college libraries by 40% by developing a mobile application for the institution.

**HR Management System using Java Swing and SQL** (Java)

- Designed a HR Management system using Java swing and JDBC to manage employee salaries and leaves.

**Rock Paper Scissors** (Angular, Typescript)

- Created a simple [Rock Paper Scissors](#) game and deployed it on Heroku.

**Tic Tac Toe Game** (Angular, Typescript)

- Created a simple [Tic Tac Toe game](#) using Angular and deployed it on Heroku.

**Shop Inventory Program** (C++)

- A simple program to maintain shop inventory.

## AWARDS AND HONORS

- Awarded Rising Star of EPM dept. at Micro Focus
- Awarded EPM Dream Team for Developing AMCA dashboard
- Infosys Campus Champ Ambassador (Ramaiah Institute of Technology)

June 2020

September 2019

August 2017

## LICENSES AND CERTIFICATIONS

- [Problem Solving \(Basic\) Certificate](#)
- Fundamentals of Database Systems (NPTEL)
- Design and Analysis of Algorithms (NPTEL)

September 2020

October 2017

April 2017