

# VIVEK KUMAR SINGH

CSE M.TECH IIIT Bangalore

SDE Intern @ Samsung Semiconductor India R&D

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## EDUCATION

M.Tech in Computer Science

🏛️ IIIT Bangalore

📅 July 2019 - Ongoing CGPA-3.0/4.0

B.Tech CSE

🏛️ Lovely Professional University, Punjab

📅 2011 - 2015 CGPA- 8.4/10

HSC (Class XII CBSE)

🏛️ Kendriya Vidyalaya Tambaram Chennai

📅 2010-2011 Percentage- 84.4%

SSC (Class X CBSE)

🏛️ Kendriya Vidyalaya Tambaram Chennai

📅 2008-2009 Percentage- 92.6%

## EXPERIENCE

SDE Intern, Samsung Semiconductor India, Bangalore

📅 Feb 2021 - Present

- Learning and contributing to development of memory solution software for Solid State Drives.

Associate Developer, Cognizant Bangalore

📅 Sept 2015 - July 2019

- Part of entire life cycle of multiple projects for a UK based Insurance client.
- As part of this - designed, developed, tested and deployed these projects in an agile environment.
- Handled the backend development of few finance based applications and did the middleware integration by collaborating with the front-end team and database team.
- Used Object oriented programming and RESTful API to build web service for message queues.
- Conducted learning sessions with the team on quarterly basis to share knowledge about new technologies and development in the project.
- Provided maintenance support for the projects, post launch and resolved the production issues.

## ACADEMIC PROJECTS

Number sign recognition using CNN

📅 SEP 2020 - Nov 2020

- Developed a machine learning model to detect number sign.
- Collected own data set and trained CNN on that data-set for number-sign recognition.

Budget Foodie Web Application

📅 April 2020 - May 2020

- Developed a food ordering web based application which allows to compare food from Zomato and Swiggy food delivery apps.
- Used JavaScript, ReactJs, HTML CSS for frontend and NodeJs for backend.
- Used devops pipeline components Git, Jenkins, Kubernetes and Docker for development life cycle.

Machine Learning model to predict Taxi Fares

📅 Sept 2019 - Nov 2019

- Did project as part of Machine Learning course to build a model to predict fares for cab drivers.
- Used data-set available on Kaggle for training the model and worked on GoogleColab for processing the large data-set faster.
- Did data clearing and exploration.

Ticket Booking System

📅 Sep 2019 - Nov 2019

- Online movie ticket booking system using C, socket programming and file locking mechanism on Linux OS.
- Implemented Admin, User and Agent modules.

## SKILLS

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### Programming Languages

- **Proficient** C, Java, C++
- **Familiar** C-Sharp, Python
- **Web development technologies** Frontend - JavaScript, HTML CSS; Backend - NodeJs; Database - SQL; DevOps Pipeline - Git/GitHub, Jenkins, Docker, Kubernetes.

## COURSEWORK

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- Data Structures and Algorithms.
- Operating Systems
- Machine Learning
- Software Production Engineering
- Visual Recognition with Deep learning

## ACHIEVEMENTS

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- Ranked in top 1% amongst 1 Lakh (approx.) in GATE CS 2019 Exam.
- Got Associate of the Quarter award in 2017 for development of on premise service bus tool.
- First Prize: Algorithm Design competition happened as part of college fest.
- Involved in Organization and conduct of College technical fest.

## LANGUAGES KNOWN

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- ENGLISH - Professional Working Proficiency
- HINDI - Native Proficiency

## HOBBIES

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- Watching Movies with great story line and Documentaries about Travel, science and space
- Occasional Cooking and Sketching