

Vishal Chand

<http://vishalchand.com>
vishal02041992@gmail.com

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE (IITR)

INTEGRATED DUAL DEGREE (B.TECH + M.TECH) IN COMPUTER SCIENCE & ENGINEERING

2010 - 15 | Roorkee, India
 Cum. GPA: 8.677 / 10.0

LINKS

Github:// [vish-chan](#)
 LinkedIn:// [vishal-chand](#)
 Quora:// [Vishal-Chand](#)

COURSEWORK

GRADUATE

Adv. Algorithms • Adv. OS
 Adv. Comp. Arch. • Adv. DBMS

UNDERGRADUATE

- Algorithms & Data Structures
- OS
- Compilers
- Discrete Mathematics
- Computer Networks

INDEPENDENT

- Adv. Algorithms (Coursera)
- Machine Learning by Andrew Ng (Coursera)
- Applied ML in Python (Coursera)
- Deep learning Specialisation by Andrew Ng (Coursera)

SKILLS

PROGRAMMING LANGUAGES

Over 5000 lines:

Java • C++ • Python • Android

Over 1000 lines:

React • Javascript • C • C# • Perl

Familiar:

CSS • R • MySQL

AREAS OF INTEREST

- Application Development • System Design • Machine Learning and AI • Game Development • Design Patterns • Linux • Performance Modelling • Bigdata and Cloud computing • Shift Left Testing

EXPERIENCE

EXPERITEST | ENGINEER

Seetest | October 2018 - June 2019 | Delhi, India

- Worked with the Seetest Android team to develop new features and maintain existing features for cloud based Android devices in Seetest platform.
- Development and execution of POCs, and competitive analysis for the new prospects.

SOCCER.AI (NOT REGISTERED) | CO-FOUNDER AND CTO

Septemper 2017 - September 2018 | Delhi, India

- Worked on developing a CNN based image annotation tool to detect players, ball and different areas of the football pitch in order to get quantitative data for the football players.
- Extended the classifier for videos.
- Couldn't get enough real world video data in order to create a robust classifier, and had to stop the startup due to lack of financial funding.

QUALCOMM | ENGINEER

Linux Performance | June 2015 - August 2017 | Hyderabad, India

- Responsible for investigation of SW architecture involving analysis of important performance use-cases to find novel performance optimisation solutions.
- UX, boot time and system performance analysis of Qualcomm's own and competitors' chipsets.
- Responsible for SW performance execution activities on Qualcomm's wearable SOC product lines.
- **PROJECTS**: Prototyped Suspend to Disk feature on Qualcomm Snapdragon^R 210 SOC using **Linux swsusp framework**.
- ML based CPU Workload Classier using **scikit-learn Python**
- Boot Analyser, a utility for collecting and visualising low level system wide stats during device boot up for USE analysis of Android boot-up process in **Python**.

QUALCOMM | SOFTWARE ENGINEERING INTERN

Memory Performance Team | May 2014 - July 2014 | Hyderabad, India

- Developed static and dynamic memory analysis tools for **Android** to generate specific workloads, collect critical memory info, and generate memory maps.
- Developed SeQurify, a geolocation based MAC Randomisation system for Snapdragon^R SOC based Android devices.

QUALCOMM | SOFTWARE ENGINEERING INTERN

Linux Audio Team | May 2013 - July 2013 | Hyderabad, India

- Designed and developed a PCM data logging system for Qualcomm's Linux audio driver using Relayfs to dump data from audio driver to user-space. Integrated this system in an Android app.

ACHIEVEMENTS

2013,17	Recipient , Qualstar Hall of Fame	Qualcomm
2014	Winner , IdeaQuest Competition	Qualcomm
2013	Winner , Spotlight Competition	Cognizance, IIT Roorkee