Vishwas Mittal

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Skills

- **Languages:** Python, Java, HTML, CSS, Javascript, SQL, Markdown
- **Frameworks:**
  - **Python:** Django, Django REST Framework, Flask, Twisted
  - **Java:** Android
- **Dev Tools and Techniques:** Git, Linux, AWS, Heroku, Postgres, MySQL, SQLite, Microsoft Cognitive Services, Firebase, REST APIs, Event Driven Programming

Interests

Backend Development, Systems Architecture, Android Development. Computer Networking and Wireless Networks. High performance computing (Parallel and Distributed). Machine Learning and Computer Vision. Transpilers.

Major Projects

Feb 2017 - Present (Feb 2018)
Appetizer, **College Project** - *Backend Developer*

- An app that can help in reducing food wastage in the hostel mess by informing the strength of students dining beforehand.
- Developed a safe and robust system to store all the students' data and records of their presence in mess.
- Provided controlled access to outsiders using Authorization and Permissions in **REST APIs**.
- Currently developing a billing system to keep track of their expenses in mess.

Dec 2017
Djinora **-** *Anonymous Chatting platform on Django*

- A Django application for users to chat anonymously.
- Also provides support to connect a channel in **Slack**. Just like implementing **IRC** in slack.
- Uses **Django Channels** in the backend and **Websockets** on the front end.

July-2017 - Nov 2017
Survey Report on Open-Source Computing Hardware **-** *Course Project*

- Project undertaken during course CSN-221 under the guidance of Dr. V. Raychoudhury.

- Report on open-source computing hardware like Arduino, Beagleboard and Raspberry Pi.
- Discussed their use cases, ground-level applications and future scope.

July 2017
Customized Bot for Slack - *Bot on Django*

- Helps managing the users' activities on slack.
- Keeps track of important information posted on any channel.
- C**hats with users** in day to day language.

Feb 2017
Homey - *Microsoft Code.Fun.Do project*

- Controls home appliances via touch/voice commands.
- User interaction with **Android app** and hardware controlling via **Raspberry Pi**.

Education

July 2016 - Present
Indian Institute of Technology Roorkee, Roorkee - *B. Tech. CSE*

- Current CGPA: **7.1**

2015
Aryans Model School, Charkhi Dadri (Haryana) - *Sr. Sec. Examination (CBSE)*

- Percentage Scored: **92.4 %**

2013
Apeejay School, Charkhi Dadri (Haryana) - *High School Examination (CBSE)*

- CGPA obtained: **9.6**

Achievements and Awards
- **JEE Advanced** - *AIR: 429*

Campus Groups

Jan 2017 - Present
Mobile Development Group (MDG) - *Backend and Android Developer*

- Group of technical enthusiasts that aim to foster mobile application development in IIT Roorkee

August 2016 - September 2017
Unnat Bharat Abhiyan(UBA) - *Executive Member*

- An initiative under MHRD for development of villages through technical interventions

Positions of responsibilities

- **Class Representative** - *Computer Science and Engineering, Batch: B. Tech. 2016-20*
- **Organizer -** *TEDx IIT Roorkee, 2017: Symphonic Chaos*