DILIP **SHARMA**

B.Tech. In Computer Science And Engineering
Indian Institute of Technology, Ropar

Email-id : **2017csb1073@iitrpr.ac.in**
Mobile No.: **+91-8896740277**
Github : dilip640

ACADEMIC DETAILS

Qualification	University	Institute	Year	CGPA/Aggregate%
B.Tech.	IIT Ropar	IIT Ropar - India	2017-Present	6.93/10
Intermediate :	BSEB	R S +2 High School Adhaura, Bhabua	2016	72%
Matriculation :	CBSE	Universal Public School Baburi, Chandauli	2014	9.2/10

SKILLS

Programmings Languages	C/C++, Go, Python, JAVA, HTML5, CSS, PHP, JavaScript
Frameworks / Libraries	JUnit, OpenCV, Flutter, Django, jQuery, Bootstrap
Software / Tools / OS	Kubernetes, HAProxy, Prometheus, Git, Android Studio, Linux

WORK EXPERIENCE

Product Engineering Intern, **Gojek**
(Summer Internship, May-July 2019)   *Gojek Tech Bangalore*

- Built a system **Hospital**, which fixes known failures for a system automatically by a given run-book
- Skills learned: System Design, Golang, Unit Testing, Load Balancer, Polling, Containerization, CI/CD, Monitoring System
- The project is open-sourced at gojekfarm/hospital.

PROJECTS

1. **RISC-V Assembly Language Simulator**   *March-April 19, Python*
   - Built a 32bit RISC-V Assembly language simulator with 5 stages instruction execution with pipelining and also implemented Cache level memory system
   - Used PyQT to make GUI like Venus, a simulator for RISC-V. (Source code: Github)

2. **Classification of Mail into Ham/Spam**   *Jan 18, Python/C*
   - Used K-Means Clustering Algorithm on input files to classify messages into ham/spam
   - Also used Naive-Bayes Classification for the same purpose
   - Naive-Bayes Classification's result was more accurate

SELF PROJECTS

1. **Published Android App to Play store**   *Summer 2018, Android Studio, java*
   - **2M+ Downloads** on Play Store (link)
   - Captures WhatsApp deleted messages from Notification Bar
   - Also Captures deleted Media files of WhatsApp

2. **Rectangle Detection using OpenCV**   *Dec 2018, Android Studio, java*
   - Made an android app which will capture photo and will search for a rectangle of appropriate size.
   - Using tesseract API it extracts texts within the rectangle.

RELEVANT COURSES

- **Computer Science:** Data Structures, Computer Architecture, Digital Logic Design, Introduction to Computing and Data Structures, Programming Paradigms And Pragmatics
- **Mathematics:** Probability and Statistics, Discrete Mathematics, Calculus, Linear Algebra, Differential Equations

ACHIEVEMENTS AND RESPONSIBILITIES

1. Representative of Software Club IIT Ropar
2. Participated in Hackathon of Advitiya'19 IIT Ropar Technical fest, *Created an Android Application using Flutter for UI and Django as back-end where Artist can interact with Producer. List of Producers was recommended to the video uploaded by Artist. YOLO and The Random Forest machine learning algorithms were used for making the Recommendation Engine. Link to code on Github*
3. Won Hackathon in Quintessence'18, Intra-College Technical fest, *Created an Android Application using which creates a buyer-seller System. It gives the buyer the nearest seller of his required item. Firebase platform was used for creating database and login system. Link to code on Github*
4. Worked on four IIT Ropar's official websites
5. Participated in Annual Sports Fest of IIT-BHU