

DAKSH RAWAT

Software Developer | NLP Researcher

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EDUCATION

IIIT-Hyderabad

- B.Tech(Hons.) in Computer Science | CGPA – 8.52
- Courses – Operating Systems | Data Structures and Algorithms | Design and Analysis of Software Systems | Linear Algebra | Information Security | Algorithms | Computer Systems Organisation | Machine Learning | Natural Language Processing (Coursera) | Data Visualisation
- Dean's List for Academic Excellence (2019)

WORK EXPERIENCE

Undergraduate Researcher

Information Retrieval and Extraction Lab, IIIT-H

June 2020 – Present

- Working in the field of Natural Language Processing under Prof. Vasudev Verma. Currently working on how to calculate Knowledge Text Coherence and improve it and created a Person dataset consisting of around 5.7 million entities.

Team Leader

Felicity 2020 App Dev Team

September 2019 – February 2020

- Led the app dev team to create the first official app of Felicity (college fest). The app supported google sign in and event registration along with push notifications. The app is hosted on Google Play store.

Software Development Intern

Temperate Technologies

January 2020 – April 2020

- Developed a webapp and an android app to implement a web-based remote control panel to control and monitor ACs.

Software Development Intern

Product Labs, IIIT-H

October 2019 – December 2019

- Wrote Cloud Functions for Language Processing Application hosted using Firebase, alongside working on Crowd Monitoring Software using OpenCV

SKILLS

- **Programming & Scripting** : C/C++(STL), Python, Javascript
- **Web & Android Development** : Flask, React, Firebase, NodeJS, MongoDB, MySQL, SQLite3, ExpressJS, HTML, CSS, Django, Dart, Flutter, Android Studio, GAE
- **AI/ML** : PyTorch, sci-kit learn
- **Others** : Git, UX, Agile, Selenium MVC, SDLC, Linux

MAJOR PROJECTS

Felicity 2020 App

Flutter | Firebase

- The first official app of Felicity'20 (college fest). The app was developed using Flutter and Firebase. The app supported google sign in and event registration along with push notifications. The app is hosted on Google Play store.

Bulk-Purchase-App

MERN Stack

- An e-commerce platform where the seller could host and sell products in bulk instead of individual quantities. Buyers could buy stuff on this app and get proper notification when the product they have ordered had been dispatched.

Terminal Shell

C/C++

- A custom terminal shell was coded in C based on the POSIX architecture with integrated system calls. All common shell commands had native support with system calls used for less commonly used commands. An in-depth understanding of computer system architecture was gained in the process.

Diesel Generator Performance Monitoring

IoT

- Developed a system to monitor the performance of the diesel generator on college campus using ESP32 microcontroller and OneM2M for server.

Global Trade Analysis

D3 JS | Observable

- Different visualisations were created to help visualize how the global trade trends have changed over the last 2 decades. All the visualisation were done using D3 JS using Observable notebooks.

ACHIEVEMENTS

JEE Advance rank 1437 (out of 200,000 students) | JEE Mains rank 813 (out of 1.5 million students) | 96.6 Percent in 12th standard(CBSE) | KVPY Scholar(2018)

ACTIVITIES

- Member of Kalakshetra, Logistics Team for Felicity'20 (college fest)
- Team Leader, App Dev Team for Felicity'20
- Participated in Megathon 19 , developed an IoT based solution for water logging.