KUNAL MOHTA

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EXPERIENCE

Software Development Engineer
Apple, India

🗓 Jan 2021 – Present ⚲ Remote

- Part of Power driver software team working on iPhone modem chips.
- Developing and maintaining test framework for critical Power modules.
- **Techs:** C, Python. **Key domains:** Power SW, Test & Automation.

Software Development Intern
Pyxis One, Bengaluru

🗓 Oct 2020 – Dec 2020 ⚲ Remote

- Built frontend for a Survey builder & visualization service from scratch.
- **Techs:** React, Redux, Typescript. **Key domains:** Frontend web development.

Software Engineer Intern
Samsung Research Institute, Bengaluru

🗓 May 2020 – July 2020 ⚲ Remote

- Detecting phone drops and height of drops using accelerometer and gyroscope readings from IMU.
- Visualized and analyzed profiles of **300+** phone drops.
- **Techs:** Python, Java. **Key domains:** Algorithms, Data Visualization.

PROJECTS

Compiler Construction
Data Structures and Algorithms 🗓 Feb 2020 – April 2020

- Built modules for a custom programming language's compiler from scratch.
- Implemented and used data structures like **Stack**, **Tree**, **Hashmap**.
- **Techs:** C programming. **Github Link:** bit.ly/erplang

Wallet Web App
Front-end Development 🗓 Feb 2019 – March 2019

- Engineered frontend for the web application that facilitated client-vendor interactions in college festivals.
- Techs: **ReactJS, Redux, Firebase**.

EDUCATION

B.E. (Hons.) in Computer Science
Birla Institute of Technology and Science, Pilani, India

🗓 August 2017 – June 2021

CGPA: 9.4 / 10

SKILLS

Javascript React.js Redux
Node.js C C++ Python
Data structures Algorithms Git
Jenkins HTML CSS

ACHIEVEMENTS

Selected as Student developer
Google Summer of Code 2018

🗓 May 2018 – August 2018

- Built a **REST API** following the **test-driven development** methodology.
- **Techs:** NodeJS, JavaScript.
- **Key Domains:** Back-end development, Open-source.

Campus-wide winner
APOGEE Innovation Challenge

🗓 Feb 2019 – March 2019

- Tackled technical issues for the open-source organization called Zulip, which is an online group chat software.
- **Techs:** Python, JavaScript.

RELEVANT COURSES

- Data Structures & Algorithms
- Object-oriented Programming
- Operating Systems
- Database Systems
- Computer Networks
- Compiler Construction