RIDHAM BHAGAT

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GitHub | Linkedin

EDUCATION

Shiv Nadar University   Dadri, Greater Noida
Btech Computer Science and Engineering   July 2019 - July 2023
CGPA: 7.87

Delhi Public School   Greater Faridabad,Haryana
12th Percentage: 90.3   May 2018 - June 2019

Delhi Public School   Greater Faridabad, Haryana
10th   June 2016 - July 2017
CGPA: 9.8

EXPERIENCE

Dell Technologies | Internship   Bengaluru, India | May 2022 - Jul 2022
Worked with Angular framework while incorporating cypress tool for automating the process of user testing leading to a reliable end product while keeping developer overhead at a minimum.

Raptee | Part Time   Remote | July 2021 - Feb 2022
Programmed the flow of the PDU (Power Distribution Unit) and continued the work on VCU (Vehicle Control Unit) peripheral interface and custom embedded Linux images while incorporating GPS and LTE support in the VCU.

Raptee | Internship   Remote | April 2021 - July 2021
Contributed in the development of VCU (Vehicle Control Unit) peripheral interface layer and custom embedded Linux images.

HiPeRT-Lab | Software Intern   Remote | Jan 2023 - Apr2023
Developed an interface in Razor Pages and DotNet Core to add custom functions to the main codebase.

Dell Technologies | Software Development Intern   Bengaluru, India | Jan 2023 - May 2023
Developed a utility tool to query Elasticsearch database and perform SQL like joins and filters on multiple indices and expose GraphQL endpoints to access the filtered and joined data.

SKILLS

Programming Languages:	JavaScript, C++, Java, C, Python
Libraries/Frameworks:	Angular, NodeJS, Cypress
Tools / Platforms:	Docker, Unity, GNU Radio
Databases:	MySQL, MongoDB

PROJECTS / OPEN-SOURCE

custom_form_builder | Link   *NodeJS, Angular, MongoDB*
an application to build custom forms and save their data. Built a basic plugin system along with it.

Product Management using AR | Link   *Angular, AR.js, Aframes*
An application to facilitate product management by retailers using AR. The project aimed at facilitating self service from the consumer end while providing a convenient medium to the retailers to tell about their products.

Predict outcomes of cricket matches | Link   *Python*
A flask app to help predict outcomes of matches in IPL with an accuracy of roughly 80% . Wrote an introductory article for the same on medium.

Telegram WebDAV bot | Link   *Python, NodeJS*

This project aimed to send files over a telegram bot from a WebDav server hosted at my residence.

ADB connect | Link *Python*

Used Shodan API to connect to open ADB ports.

Is it alive | Link *Unity*

Made an educational game for Skillenza hackathon using Unity Engine and won free passes for Unite 2019 ; convention for game developers.

QOS in Linux | Link *Shell, Javascript, C*

Custom QoS rules to bring down the latency while playing online games. This was a contribution to a much larger project.

TLS 1.3 implementation | Link *Python*

Implementation of TLS1.3 from scratch using python sockets to gain grassroot level understanding of TLS 1.3 handshake.

CERTIFICATIONS

- Mastering Microcontroller Programming - **Udemy**
- Software Defined Radio and Signal Processing with GNU Radio - **Udemy**

HONORS & AWARDS

Was shortlisted in top 9 in HCL ideathon 2019