SGSITS College
Indore - 452003
Madhya-Pradesh, India

R U P E S H   H A R O D E

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EDUCATION

Indore, Madhya Pradesh, India   **SGSITS Indore**

- Bachelor of Engineering (B.E.) – Electronics and Telecommunication Engineering from SGSITS, Indore. CGPA: 7.27/10 (Current)   May 2019 (Expected)
- Higher Secondary Education – R D Public School, Betul. 93.20%.   May 2014
- Secondary Education – R D Public School, Betul. CGPA: 9.2/10.   May 2012

SCHOLASTIC ACHIEVEMENTS

- Top 2% in CBSE 2014 among 1 million students.
- Top 91 percentile in Qualitative aptitude and 99 percentile in Quantitative Aptitude, in PSA by CBSE.
- Regular competitive programmer with 90+ percentile in C++,C and Python on Hackerearth with an overall rating of 1305.

WORK EXPERIENCE

Google Summer of Code 2018   **SOFA-Framework**   **April 2018 – Present**

- Improved the communication plugin by adding more protocols in it such as VRPN and QSerial protocols.
- Integrated protocols into sofa-framework using various methods present in the base classes.
- Added tests and documentation to these newly implemented protocols.

Backend Developer Intern   **NAXAP**   **August 2017 – October 2017**

- Based on Python library "Scrapy", this project implements several crawlers for different torrent and websites.
- Extracted Data using XPath and CSS Selectors and integrated methods to bypass CloudFlare challenges.

Data Analyst Intern   **GoFind.ai**   **July 2017 – August 2017**

- Regular tasks involved validating data for training classifiers.

TECHNICAL KNOWLEDGE

- **Public Sanitation** – Django based Web Application developed on top of GoogleMaps API - Real time feedback system built using AJAX and Jquery integrated with Back-End - Admin panel which displays usage statistics in the form of graph using ChartJS.
- **Python-OCR** – Processed image using OpenCV and Numpy and extracted text using tesseract engine OCR.
- **Sentiment Analyzer** – Sentiment Analyzer using TensorFlow, NLTK and Numpy with an accuracy of 96.18% - NLTK is used to lemmatize .txt file and create lexicon for analyzer.
- **Zealer: Mini-YouTube** – Developed minimal JavaScript ES6 and JSX code supports real-time loading enhanced - Implemented Youtube-API which fetches data from Youtube asynchronously.

POSITIONS OF RESPONSIBILITY

- **Technical Lead, Codefoster** – Club organizes competitive contests and programming events like workshops and coding sessions regularly.
- **Coordinator, E-Cell SGSITS** – Member of Entrepreneurship Cell of college. Actively involved in Event-planning, Graphics-designing and sponsorship for events.

SKILLS AND TECHNOLOGIES

- **Programming** – C++/C, Python, Arduino, Matlab, MYSQL
- **Development** – QtCreator, HTML/CSS (with Bootstrap), Django, ReactJS, TensorFlow, OpenCV, NLTK
- **Software Skills** – Git(VCS), Cmake, AWS, Latex