

Manas Patra

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Education

Dwarkadas Jivanlal Sanghvi College of Engineering , Mumbai

2018-2022

Electronics Engineering | CGPA: 8.15

Relevant Coursework:

Structured Programming Approach (*C Programming*), Database Management System, Object Oriented Programming, Computer Organization and Architecture, Neural Networks and Fuzzy Logic, Digital Image Processing

Work Experience

Samsung Research India | R&D Engineer

June 2022 - Present

- Collaborated with HQ team members for the Implementation of Smart hotspot feature in which real time traffic is displayed on the host mobile screen as a visual cue to inform data is being shared including the number of currently connected clients, daily data usage and sorted list of top three data consumed devices.
- Resolved 120+ UI and framework issues in smart hotspot feature.
- Successfully achieved SWC Advance and professional Certification conducted by Samsung R&D HQ.
- Engineered a cutting-edge feature that utilizes accelerometer and heart rate sensor data from samsung watch to detect and quantify workout intensity, enhancing the overall fitness tracking capabilities of the S-Health app.
- *Utilized: Java, Android SDK, MVVM, Design Patterns, Python*

Growth Central VC | Software Development Intern

June - Aug 2021

- Worked with the engineering team to solve certain bugs on frontend of the companies website
- Wrote code to create quizzes and implement a function through which only logged in users can attempt the quiz
- Developed a feature in which user gets suggestion of quizzes if he or she attempts any quiz of same type.
- *Utilized: PHP, Laravel*

Projects

Web-based-SSIS

- Developed a CRUD Web Application using flask in which data of students, courses and colleges can be added, deleted and updated as per the admin user.
- Admin can search for any data based on the parameters such as ID, Name, Course etc.
- *Utilized: Python, Flask, SQL*

Web Crawler

- Scraped products(clothes) from flipkart's website which consists of products name, description, price, discounted price and review using python's Scrapy framework and pymongo module.
- All the scraped data was stored in MongoDB Atlas directly using scrapy mongodb pipeline
- *Utilized: Python, Scrapy, MongoDB*

Cell Game

- Implemented a multiplayer game in which users can connect using an id through a websocket, the game basically is a grid of 20 cells in which the user needs to tap a maximum number of cells in a time limit to win the game.
- The client and the server communicate using JSON format of data to keep track of users and the game.
- *Utilized: javascript, WebSockets, Nodejs, Express, JSON*

Skills

languages: Java, Python, Javascript, C, SQL, HTML/CSS

Frameworks/Libraries: Flask, Angular, Nodejs, Scrapy, Pandas

Courses/Certifications

Algorithmic Toolbox

In this course, I have learned crucial algorithms like Searching, Sorting, Graph Traversal (BFS and DFS) , Greedy Algorithm and Dynamic Programming.

Certificate: <https://www.coursera.org/account/accomplishments/certificate/TPASKL6645LB>