SOHAM S PATIL

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EDUCATION

NITK, SURATHKAL

B. TECH IN COMPUTER ENGINEERING

Expected 2020 | Mangalore CGPA: 8.01(July 2018)

EXPERT PRE-UNIVERSITY COLLEGE

Mangalore, Karnataka Percentage: 97.50%

S.S.(K)PATIL.ENGLISH MEDIUM SCHOOL

Sankeshwar, Karnataka Percentage: 96.16%

COURSEWORK

Data Structures and Algorithm Software Engineering, Operating System, Theory of Computation, System Programming, Computer Architecture and Organization, Object Oriented Programming.

SKILLS

PROGRAMMING

Languages:

• C • C++ (STL) • JavaScript
• MATLAB(Basic)
• Python (Machine learning basic)
• HTML • CSS

FRAMEWORKS/TOOLS:

• Bootstrap • Android
• Django

EXTRACURRICULAR ACTIVITES

• Executive Member at FILMS CLUB NITK
• Marketing and Publicity Team Incident-2017
• Member of Organizing team in FILM's FEST 2nd and 3rd edition

ACHIEVEMENTS

• All India Rank 2415 in JEE Mains 2016 (1.2 million candidates) and 14467 in JEE Advanced 2016(0.2 million candidates).
• 118 Rank in CET-Karnataka (0.1 million candidates).
• Won Pratibha Puraskar from Government of Karnataka-2016.

INTERNSHIP EXPERIENCE

TREKKO|NITK STARTUP |WEB DEVELOPER INTERN

May 2018 -July 2018

- Designed and developed front-end for the Adventure tour guiding startup.
- Developed basic login using Django framework.

ACADEMIC PROJECTS

OS SIMULATOR | OPERATING SYSTEMS |Web APP

- Interactive Simulation of all major concepts of OS. Worked on UI, Implemented Synchronization, Process Scheduling, Memory Management using JavaScript and Bootstrap framework. Led a 10-member team.

ONLINE SHOPPING HUB |HELP ONLINE SHOPPERS| ANDROID APP

- Built an android application through which user can check the price of an Electronic gadgets from Flipkart, Amazon and Snapdeal by swiping through the tabs in web-view and get relevant product with best price.

HAMFAST |IMPLEMENTED AND VERIFIED RESULTS OF THE PAPER

- Studied about the Algorithms used for finding Hamming Code between two binary numbers.
- Identified the binary magic numbers and implemented the algorithm mentioned in the paper and implemented them in the algorithm in C.
- This calculation had same complexity as the regular look-up table method but reduced the Memory usage by Look-up Table Approach by $O(2^{(n)})$.