Sakshi Singh

Pre-final Year (B.Tech.) | Electrical Engineering |IIT Jodhpur
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EDUCATION

IIT, JODHPUR
B.Tech, Electrical Engineering
Expected 2021 | Jodhpur, India
CGPA: 6.27/10

Sophia Girls' School, Meerut
Senior Secondary School | ISC
2016 | Uttar Pradesh, India
Percentage :93.25%

Sophia Girls' School, Meerut
Secondary School | ICSE
2014 | Uttar Pradesh, India
Percentage :90%

LINKS

Github:// **Sakshi2019**
LinkedIn:// **sakshi-singh-3b8a21166**

COURSEWORK

UNDERGRADUATE

*ongoing
Digital Logic and Design
Computer Programming
Signals and Systems
Communication Systems*
Microprocessor and Microcontrollers*
Probability Statistics and Random Processes
Linear Algebra and Calculus
Complex Analysis and Differential Equation

OTHER RELATED COURSES

Data Structures and Algorithms
Machine Learning
Digital Image Processing

SKILLS

PROGRAMMING LANGUAGES

Proficient: C++ • C
Familiarity: Python • Java • SQL • MATLAB • JavaScript

TOOLS

Libraries: Sklearn • Numpy • SciPy
Web/App Development: HTML • CSS • Android Studio

OPERATING SYSTEMS

Windows• Linux

PROJECTS

FACE DETECTION AND RECOGNITION | through supervised Learning

Jan 2019 - April 2019 | Mentor: Dr. Rajlaxmi Chouhan
- Developed a face detection and recognition system using Eigenfaces approach and pre-processed the input images using Matlab
- Prepared the dataset of the students manually
- Achieved accuracy of 91.6%

CLASSIFICATION OF MENTAL STATE | based on EEG brain activity

May 2019 - June 2019 | Mentor: Dr. Rajlaxmi Chouhan
- Determined the mental state(confused/not confused) on the basis of obtained results
- Used Gaussian Naive Bayes Algorithm of Sklearn module
- Achieved accuracy of 88%

E-VOTING | using Ethereum blockchain

July 2019 - August 2019 | Microsoft code.fun.do Hackathon 2019
- Developed a decentralized application through which a person is able to vote from any location
- Updation of live status of the vote count
- Deployed Blockchain workbench to build the app

SUDOKU | an Android application

July 2017 - August 2017 | Micorsoft code.fun.do Hackathon 2017
- The puzzle setter provides a partially completed grid, which for a well-posed puzzle has a single solution
- Supported API level 23 and above

ACHIEVEMENTS

- Successfully qualified CodeVita Season 8 Pre- Qualifier Round 1
- Developed an e-voting app using Ethereum Blockchain in the Microsoft code.fun.do On-campus Hackathon conducted at IIT-Jodhpur in 2019
- Successfully submitted an android app in Microsoft code.fun.do in 2017
- Selected in the top 0.5% of approximately 1.4 million candidates in JEE 2017

EXTRACURRICULAR

- Coding: Practice and compete on various competitive coding websites such as Hackerrank ($SAKSHI_1$), Codechef, etc.
- Basketball: Represented IIT Jodhpur in Inter IIT Sports Meet 2017 (IIT Madras) and 2018 (IIT Guwahati) and also participated in 'Sangram' (IIT Roorkee) Sports fest 2018.
- Music: Member of the music club (Sangam) of IIT Jodhpur and performed in intra college cultural fest Spandan'18 and Spandan'19.
- **Assistant Head, Pronite events, IGNUS'19** : Organized pronite events of the college fest 'Ignus' in 2019 and coordinated with a team of 10 members.