

# Aishwarya Sahoo

aishsahoo5@gmail.com • linkedin.com/in/aishwarya-b-sahoo • github.com/ashsometimes

## Academic Qualifications

**Bachelor of Engineering, VESIT, Mumbai**

2017-Ongoing

- **Major:** Computer Engineering
- **Electives:** Analysis of Algorithms, Advanced Algorithms, Big Data and Analysis, Management Information System.

Current CGPI (after 6 semesters) : **8.87/10**

## Publications

**Decentralized Energy Trading | International Journal of Innovative Science and Research Technology, 2019**

Archana Bhatia\*, Mohini Bhawe\*, Ria Dharmani\*, Aishwarya Sahoo\*, Kajal Jewani

- This paper describes how blockchain technology can be incorporated in the energy trading process.
- A decentralized approach can give more power to the prosumers and hence promote renewable energy production and consumption.

\* Sorted by last name

## Scholastic Achievements and Scholarships

- Recipient of Bertelsmann Technology Scholarship for Udacity course in Deep Learning 2019
- Overall ranked 7th during Second Year of Engineering in the Computer Department 2018
- Rank holder during 12<sup>th</sup> Board Exams (CBSE) in the school [95%] 2017
- Rank holder during 10<sup>th</sup> Board Exams (CBSE) in the school [95.6%] 2015

## Internships

**Edistify, Thane | Android Development Intern**

May 2019 – Jun 2020

Assisted in the development of two Android Mobile applications:

- Data Acquisition App (DAQ App) which is used by Operations Team to collect data about warehouses, POCs, Security and other requirements
- Tracking App which is used to track the Operations Team

**VESIT Renaissance Cell | Back End Development Intern**

May 2019 – Jul 2019

- Developed APIs for Admin side of "Disaster Management" project for an NGO — "Goonj Foundation"
- Executed various functional algorithms for better efficiency of a few functionalities

## Key Projects

**Automated Smart Underwriting System | Deep Learning & NLP [Ongoing BE project]**

Jul 2020 –

- Building of a chatbot application for automating the policy underwriting process.
- Predictive modelling for risk analysis and smart data aggregation to minimize the number of touch points

**Decentralized Energy Trading | Blockchain Technology [TE project]**

Aug 2019 – Feb 2020

- A blockchain based model for P2P trading of energy in a decentralized, secure was developed.
- Smart contracts were developed for interaction between peers for various test cases were developed using Ethereum & Solidity

**EHR Management System | Database and Information Systems**

Apr 2020 – Jun 2020

- Developed a safe platform for creation of Electronic Health Records of patients and transfer of the records between Medical Providers and Patients
- EHRs were also stored in the IPFS to maintain the archived data so that the patient has an archived data.
- Implemented using MERN stack

**Association Between Genomic Clusters and Gliomas | Deep Learning**

Jun 2020 – Aug 2020

- Quantification of tumor shape using Deep Learning Segmentation.
- Genomic subtypes of lower-grade gliomas predicted from magnetic resonance images

### **Farmer's Friend, The Digital Agriculture App| *Android Development***

Jan 2019 – Feb 2019

- A user-friendly mobile application that helps the farmers to keep a close tab on their crops using mobile phones.
- Implemented using Internet of Things to check moisture level of the soil, temperature of the area and season dependent variants obtained from external sources.

## **Other Projects**

### **Decentralized Application for Fund Raising| *Cryptography & System Security Lab***

Built **blockchain**-based web-application for raising funds, using Solidity to create smart contracts. Deployed on Ropsten Ethereum network.

### **NGO Management System| *Web Technologies Lab, Database Management System Lab***

Developed a website for an NGO — Bhavishya Foundation, using PHP framework Laravel and MySQL.

### **Recommendation System using Apriori| *Open Source Technology Lab***

Product recommendation system developed using Association Rule Mining, implemented using Flask and Python

### **Public Key Cryptography| *Object Oriented Programming***

Implementation of RSA algorithm for public key cryptography using Java GUI and JDBC

## **Technical Skills**

C, Python, Java, JavaScript, SQL, Git, Deep Learning, Blockchain, Algorithm Analysis, MongoDB, Node.js, React.js, PHP, Laravel

## **Positions of Responsibility**

### **Senior Technical Officer, Computer Society of India, VESIT**

Aug 2019 – Apr2020

- Conducted technical workshops for the academic year 2019-20 for students.
- Assisted in development of CSI-VESIT's official Android Application
- Mentored Junior Technical Officers during workshops and events

### **Reporter, VESIT Connect**

Aug 2018 –

- Reporting and writing for college newsletter—VESIT Connect involving interaction with Alumni, Professors and Students
- Part of the team "Vishwakarma" which is the annual college magazine

### **Junior Editor, Computer Society of India, VESIT**

Aug 2018 – Apr2019

- Reporting about events and workshops conducted by CSI-VESIT annually.
- Writing and publishing of articles for CSI-VESIT's annual magazine—Redux

### **Class SoRT Representative**

Aug 2017 – Apr2018

- Social Responsibility in charge for the academic year 2017-2018
- Relayed messages between SoRT council, helped in cleanliness drives and conducting events by the council.

## **Extracurriculars**

- Teaching Volunteer for the NGO — "WeChange". As a part of WeChange Organization, I teach Mathematics, Science and English at "Kshamta Foundation" which takes girls under their wing and take responsibility of their education.
- Merit certificates for distinction for completion of 8 years in classical dance, Bharatanatyam.
- Won Group Discussion conducted by Indian Society For Technical Education, VESIT. 2018
- Won the third position in the competition "Fan Made Tale" by Literary Council of the college, VESLIT. 2017