

# ISHITA DASGUPTA

## Computer Science and Engineering, Vellore Institute of Technology

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📄 <https://github.com/Ishita-0112>

## EXPERIENCE

### Software Developer Intern

#### Tech Mahindra

📅 Oct 2020 – Present

📍 Pune, India

- Implementing Various Machine and Deep Learning Algorithms, to develop various web based application and portals.

### Software Developer Intern

#### Gewissen Digital Services

📅 Jul 2020 – Sept 2020

📍 Chennai, India

- Revolving around a full web application using React, Node and Firebase. Handling security amidst various user roles and a clean and smooth interface design being primary aims.

## TECHNICAL SKILLS

Python, JavaScript, Django, React.js, ML/DL ●●●●●  
JAVA, PostgreSQL, NLP, OpenCV, RASA ●●●●●  
Node.js, Express.js, PyTorch, C++, Tensorflow ●●●●●

## AWARDS AND POSITIONS HELD

- Secured 1st rank in Electronics Branch 1st year in college with a cgpa of 9.67(later migrated to Computer Science Dept.) [9.86 in second sem]
- Winner of HAB59 National Hackathon. Prize Money of Rs.1,00,000.
- First Runners Up of Optum Stratethon Season 2 International Hackathon. Prize Money of Rs.1,00,000.
- BIT Mesra and Open Dil National Hackathon Winner
- 4 Research Papers, 1 Springer and 3 Scopus indexed journals
- Applied for 2 provisional patents
- PALS VIT Chennai, Ex Web Developer
- Web Developer at VITCMUN -20
- Core Committee Marketing Team for Vibrance and TechnoVIT
- Secured 3rd rank in Ramanujan Math Quiz Contest
- Secured 2nd rank in Times Talent Hunt Competition

## STRENGTHS

Hard-working

Learner

Listener

Flexible

Teamwork

Problem Solver

Innovative

Reliable

Consistent

## LANGUAGES

English

Hindi

Bengali

German-Beginner

## COURSES

Machine Learning with Python, Data Visualization

Configuration Management and the Cloud, Software Engineering

Artificial Intelligence, Introduction to Git and GitHub

## EDUCATION

### Bachelor of Technology (Computer Science and Engineering)

#### Vellore Institute of Technology

📅 2018- Pursuing

📍 Chennai

- CGPA : 9.39

### Higher Secondary (Science)

#### South Point High School

📅 2016- 2018

📍 Chennai

- Percentage : 92

## PROJECTS

### GROC4ALL

- A Multi-Vendor grocery website designed for the old embedded with a facial biometric and automated grocery ordering chatbot, Minimum Distance High Quality Genetic Algorithm to give Local vendors a fair chance. Also, a customer review sentiment analysis system.

### I-PARK

- An intelligent parking system Algorithm for smart parking of vehicles in areas based on shortest distance to free space available. To avoid illegal parking with the help of strategically aligned cameras, using image processing and car annotations.

### Precision Agriculture System

- Crop Recommendation system to facilitate to farmers regarding the type of crop, which would be most beneficial towards the soil based on previous crops sown and environmental conditions, using the WSN IOT devices, with weed detection using DRONES.

### MEDBAY

- An AI based system for intelligent diet prediction packed with a Medical Diagnostic Chatbot, Heart Rate Estimator Via Webcam, Customized Diet Planner and Multi User Yoga Application

## PUBLICATIONS

- AI Crop Predictor and Weed Detector Using Wireless Technologies: A Smart Application for Farmers: <https://doi.org/10.1007/s13369-020-04928-2>
- Review Paper on AI techniques in solar cells and solar energy applications (SCOPUS)
- Research paper on Sleep Apnea Detection using AI (SCOPUS)
- Review paper on Adoption of Precision Agriculture By Detecting and Removing Weeds using UAV (SCOPUS)