



# Ananya Ghosh

2ND YEAR CSE STUDENT

CGPA: 9.3

Merit Scholarship reciever from VIT, Vellore

**FRONTEND AND BACKEND WEB/ SOFTWARE DEVELOPER**



## PERSONAL PROFILE

I am a CSE Student, looking for opportunities in Technical and Management fields.

- Unique thought process
- Diligent, hard-smart Working
- Quick to respond to issues
- Problem-solver
- Creative and flexible
- Easily approachable
- Capability to understand others' problems

## LANGUAGES

- English
- Hindi
- Bengali

## EDUCATION



**Vellore Institute of Technology, Vellore**  
Integrated M Tech in CSE  
CGPA- 9.3 ( GPA 1- 9.69, GPA 2- 9.07)  
2020-2025  
India



**Delhi Public School, Ruby Park, Kolkata**  
AISSE CBSE ( 10+2 ) PCMB  
94%  
2018-2020  
India



**G.D. Birla Center for Education, Kolkata** ICSE ( 10th)  
96%  
2006-2018  
India

## EXPERIENCE



**Microsoft**  
Microsoft Learn Student Ambassador  
October 2021-Present



**IBM**  
IBM Z Ambassador  
September 2021-Present



**GirlScript WoC**  
Open Source Contributor (Python Backend Dev, Open Source, ML)  
August 2021-Present



**LetsGrowMore**  
Web Development Intern  
June 2021-July 2021



**LetsGrowMore**  
Participant LGMSoc'21 (Open Source)  
June 2021-Present



**International Model United Nations**  
Official Campus Ambassador  
June 2021-Present

## SKILLS



### Technical

- **Frontend Development-**
  - HTML5
  - Cascading Style Sheets CSS3
  - JavaScript
  - Tailwinds CSS
  - Angular
  - ReactJs
  - TypeScript
- **Backend Development-**
  - Django
  - Flask
  - NodeJs
- **Database Systems:**
  - SQL
- **Programming Language:**
  - Python
  - C
  - C++
- **UI/UX:**
  - Figma
  - Canva
  - Adobe Photoshop
- **Open Source**
- **Data Structures & Algorithms**
- **Machine Learning and Computer Vision:**
  - Machine Learning Basics
  - OpenCV
- **Augmented Reality-** Unity 3D, Vuforia, C#
- **App Development -** MIT App Inventor
- **Electronics & Hardware-** Arduino & Sensors



### Management

- Business Model Development and Pitching
- Marketing & Sponsorship
- Presentation Development
- Project Management
- Leadership Skills
- Good Communication skills
- Strategic Planning
- Public Speaking
- Networking
- Team-Worker

## PROJECTS

### Technical

- **Incident Reporting, Investigation & Management Software-** Ongoing (Full Stack Web Dev)
- **EduVision** - AR based Education for All while connecting all stake holders of Education (AR+Web Dev <https://youtu.be/43FutdjrHhE>)
- **Donation and Vaccine-** WebApp and chatbot for organ, plasma and blood donation and COVID-19 vaccine program registration. (Web Dev <https://youtu.be/orM0XbbdUcl>)
- **KrishiSahayak-** WebApp to connect all the stake holders of the Agriculture system in India – The Farmers, The Consumers, The Corporates / Food Consultant / NGO (Web Dev <https://www.youtube.com/watch?v=mkJ4upvsbBM&t=52s>)
- **Snake Game-** Arduino, 8X8 LED matrix, joystick (<https://youtu.be/OVItIA8KBHg>)
- **Smart Dustbin-** Arduino, Servo Motor, Ultrasonic sensor (<https://youtu.be/dwT5WjnWnhk>)
- **Elevator system-** With scheduling to move on closest floor for every button pushed (Arduino, Stepper Motor, Motor Driver)
- **Portfolio Website-** Web Dev ([https://youtu.be/\\_sg0QkQsZFk](https://youtu.be/_sg0QkQsZFk))
- **Fuel Consumption CO2 Emission-** ML Linear regression
- **Iris Species Prediction-** ML KNN classification
- **Hackathon Website-** for IEEE SPS VIT & IEEE WIE VIT (Web Dev)
- **Flask Weather App** with Calling API
- **Game Database Website** using Angular and a public API
- **Todo list App-** React and TypeScript
- **Sentiment Analysis of Twitter** using ML and NLP
- **Printing Names on Certificates** using NodeJs

## OTHER PROJECTS

### Technical

- **Cyber Crime-** Cyber Theft and Cyber Deception.
- **Gyroscopic Technology** - Technical Blog
- **Augmented Reality Vs. Virtual Reality**

### Environmental

- **Environmental Disasters-** Causes, Prevention, Mitigation
- **Environmental Hazards Due to upsurge in COVID-19 Bio-Medical Wastes**
- **Industrial Pipeline Corrosion**
- **Nutritional Deficiency In plants** - Survey with 5 angiospermic plants, Herbarium

### Space

- **Space Debris**

### Sociology

- **Stress faced by college students-** Survey, Report and Proposal
- **Poster on Personal and Social Responsibility During Pandemic**

### Business

- **Comprehensive Business Model Development & Presentation** (Social Entrepreneurship; Theme: Food For All)
- **Business Model Development** on any topic in a team in 5 hours virtually

## PUBLICATIONS

### Technical Research Papers

ARTIFICIAL INTELLIGENCE IN BRINGING ABOUT A REVOLUTION IN THE HEALTHCARE INDUSTRY- (E-ISSN: 2456-5571) Jan 15, 2021 **BODHI International Journal of Research** in Humanities, Arts and Science, Centre for Resources, Research & Publication Services (CRRPS), India

### Technical Blogs

- **Artificial Intelligence in Healthcare-** Medium
- **Future & Scope of IoT-** Medium

## ACHIEVEMENTS

- **Winner in Education Track in Access Denied'21**, a 36 hours long International Hackathon, organized by IETE-ISF.19th March to 21st March, 2021. **Project "EduVision"**.
- **Secured position in Top 3 Girls Team in Hack NITP 3.0**, a 60 hours long Hackathon, organized by NIT Patna. **Project Donation & Vaccine**
- **Secured 7th place at DoubleSlash Hackathon** conducted by Jadavpur University from 9th to 11th May 2021. **Project KrishiSahayak**.
- **Merit Scholarship** awarded to me by VIT, Vellore, for my **Outstanding Academic Performance, 2020-21**.

## HACKATHONS

HackOff v3.0 IET VIT, HackVerse 2.0 NIT Suratkal, SheHacks'21 IIIT Allahabad, Women Techies'21 DSC VIT, HackNITR 2.0 NIT Rourkela, MozoHack 2.1 SRM KZILLA, HackTrix IEEE SRM, BU Hack Bennett University, BitBox DSC JIIT, KJSCE Hack 5.0 Code Cell, iHack ISA VIT, Tempora IEEE SPS VIT

## BUSINESS COMPETITIONS

HULT PRIZE CHAMPIONSHIP 2021 On- Campus

## STUDENT EXPERIENCES



**IEEE Women In Engineering, VIT**  
Core Committee Member  
Jan 2021-Present



**IEEE Signal Processing Society, VIT**  
Core Committee Member  
Jan 2021-Present



**IEEE Professional Communication Society, VIT**  
Core Committee Member  
May 2021-Present



**Institution for Engineering and Technology, VIT**  
Core Committee Member  
Dec 2020-Present



**Students for the Exploration and Development of Space, VIT**  
Core Committee Member  
Jan 2021-Present



**Team UAV, VIT**  
Core Committee Member  
Jan 2021-Mar 2021



**Energy & Environment Protection Club, VIT**  
Core Committee Member  
Jan 2021-April 2021

## EXTRA-CURRICULAR SKILLS

- **Chess player-** Participated in 4 state-level tournaments
- **Singer & Composer-** Classical, Semi-classical, Modern and Western genre
- **Dancer-** Kathak