

# Ananya Ghosh

1ST YEAR CSE STUDENT

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## PERSONAL PROFILE

I am a CSE Student, looking for Internships in Technical and Management field.

- 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- 9.69

2020-2025

India



**Delhi Public School, Ruby Park, Kolkata**

AISSCE CBSE ( 10+2 ) PCMB

94%

2018-2020

India



**G.D. Birla Center for Education, Kolkata**

ICSE ( 10th)

96%

2006-2018

India

## SKILLS



### Technical

- Web Designing & Development- HTML, CSS, Js, jQuery, Tailwinds CSS
- Flask
- Arduino & Sensors
- Python
- C
- Augmented Reality- Unity 3D, Vuforia, C#
- Open CV
- Machine learning Basics
- App Development - MIT App Inventor
- UI/UX- Figma, Canva
- Data Structures & Algorithms
- ChatBot- Google DialogueFlow
- Technical Research



### 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

- **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://youtu.be/DVXfrQwjQuo>)
- **Snake Game**- Arduino, 8X8 LED matrix, joystick (<https://youtu.be/OVltlA8KBHg>)
- **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)

# 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** ([https://www.researchgate.net/publication/348705113\\_ARTIFICIAL\\_INTELLIGENCE\\_IN\\_BRINGING\\_ABOUT\\_A\\_REVOLUTION\\_IN\\_THE\\_HEALTHCARE\\_INDUSTRY](https://www.researchgate.net/publication/348705113_ARTIFICIAL_INTELLIGENCE_IN_BRINGING_ABOUT_A_REVOLUTION_IN_THE_HEALTHCARE_INDUSTRY))

# ONGOING PROJECTS

- **Alive** - Our Project aims to solve the current huge problem of Oxygen and Vaccination due to COVID-19 pandemic. (Web App Dev+ Database creation + Backend and storage + ML& DL using Microsoft Azure)
- **Relief**- IOT Based Integrated Healthcare System Device (Hardware+ IOT cloud Platforms+ Flutter App) for Old care and all.
- **ComfortLife**- IOT based Healthcare and Home Automation System for Old Care. (Simulation+ Hardware+ IOT cloud Platforms+ MIT App Inventor)
- **Flask App with Calling API**
- **Chatbot** using RASA frameworks

# EXPERIENCE



**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

## OTHER PROJECTS & RESEARCH WORK

### 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

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## HACKATHONS

- **HackOff v3.0** IET VIT
- **HackNITP 3.0** NIT Patna
- **HackVerse 2.0** NIT Suratkal
- **SheHacks'21** IIIT Allahabad
- **Women Techies'21** DSC VIT
- **Access Denied'21** IETE ISF 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

## 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"

There were 1200+ participants from in and around the world.

[https://www.linkedin.com/posts/ieee-women-in-engineering-vit\\_the-girls-representing-ieee-wie-in-access-activity-6779681495364763648-GCnc](https://www.linkedin.com/posts/ieee-women-in-engineering-vit_the-girls-representing-ieee-wie-in-access-activity-6779681495364763648-GCnc)

Team Code-Divas

Valedictory ceremony and prize distribution AccessDenied'21 - YouTube-

<https://www.youtube.com/watch?v=1W7AkJ9PpVc>

Project Details-

<https://youtu.be/43FutdjrHhE>

- **Secured position in Top 3 Girls Team in Hack NITP 3.0**, a 60 hours long Hackathon, organized by NIT Patna.

[https://www.linkedin.com/posts/hack-nitp-3-0\\_hacknitp-30-activity-6761613517599625217-aXl8](https://www.linkedin.com/posts/hack-nitp-3-0_hacknitp-30-activity-6761613517599625217-aXl8)

There were 300+ participants from in and around India with 100+ submissions.

Project Details - Donation & Vaccine (<https://youtu.be/orM0XbbdUcl>)

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## BUSINESS COMPETITIONS

HULT PRIZE CHAMPIONSHIP 2021 On-Campus

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## EXTRA-CURRICULAR SKILLS

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