



Ananya Ghosh

2ND YEAR CSE STUDENT

CGPA: 9.3

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)
- **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"**. **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. **Project Details** - **Donation & Vaccine** (<https://youtu.be/orM0XbbdUcl>)
- **Secured 7th place at DoubleSlash Hackathon** conducted by Jadavpur University from 9th to 11th May 2021. **Project Details** - **KrishiSahayak** (<https://youtu.be/mkJ4upvsbBM>)

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