# Angshuman Mazumdar

I believe in a simple concept: if it's a piece of engineering, it is also a work of art. Also, an ardent follower of interactive media, especially video games, because they provide a great platform for experiences to flourish, unlike any other media.

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📷 https://binaryvectorjr.github.io/ portfolio

## EDUCATION

**Capstone Project**
*Rochester Institute of Technology, Rochester (New York)*
*January 2019 – May 2019*

**Bachelor of Technology (Electronics and Communication)**
*Vellore Institute of Technology, Vellore*
*2015 – 2019 (CGPA - 8.69)*

**High School and Senior School**
*Don Bosco Senior Secondary School, Guwahati*
*2003 – 2015 (93.4%)*

## WORK EXPERIENCE

**Trainee**
*Bharati Airtel*
*05/2018 – 06/2018*
*Chandigarh, India*
Achievements/Tasks
- Automated data collection and organization process for SACFA Applicants (using Visual Basic for Applications) which reduced the time for data organization significantly.
- Worked on collecting the azimuth data for various sites for towers using their latitude and longitude.
- Worked on "Project Junoon" by daily updating new sites on the maps, filtering out the sites with maximum problems, and categorizing the different sites.

**Graphic Designer**
*MOX - Movement of Expression*
*02/2018 – 08/2019*
*Shillong, India*
*An organization that caters to services such as Event Management, Talent Management, PR, Photography, as well as hosting various events around India*
Achievements/Tasks
- Designed the logos for the event "Street Sangam".

## ACHIEVEMENTS

**Design Head (BEAM-VIT)** *(06/2016 – 05/2017)*
Led the design department and oversaw various design requirements of the club (BEAM VIT).

**Design Co-Chair (BIDSF'17)** *(01/2017 – 04/2017)*
BIDSF is an annual event organized by the Biotech Division of VIT with the help of various clubs. I was responsible for creating the theme, logo, posters and oversee various other design related issues for the event.

**Design Advisor for Team Vimaanas** *(01/2017 – 06/2018)*
Team Vimaanas is the official Micro-Class RC Aviation team of VIT. I was asked to help them out with their design team by organizing their workflow, as well as teaching the members about graphic design. I also helped design their brochures.

## SKILLS

Adobe Photoshop
Adobe Illustrator
Adobe Premiere Pro
Unreal Engine 4
Unity3D
World Machine
Autodesk 3DS Max
SketchUp
C++
HTML and CSS (W3 CSS)
Basic MATLAB
Microsoft Office Suite (PowerPoint, Word, Excel)
Computer Hardware Knowledge
Computer Software Knowledge
General Troubleshooting

## PERSONAL PROJECTS

**Parkinson's Disease Assist Device using Machine Learning and Internet of Things** *(07/2017 – 04/2018)*
- The main purpose of the project was to construct a prototype of a spoon which senses the hand motion of an individual suffering from Parkinson's disease.
- It gives a counter motion to the trembling actions of a patient's hand, in order that they don't spill their food.
- Machine Learning is used to detect any anomalies in the sensor data from the device. If an anomaly is detected the device send a mail alert to the well-wishers of the patient.

**Autonomous Robotic Manipulator** *(01/2019 – 04/2019)*
- The goal was to develop the driver that will control a robotic arm
- Oversaw the robotic arm manipulation of the larger project
- Final objective was to mount the arm to the top of an autonomous base, that could enable users to control it using Virtual Reality Techniques
- Application in the Elder Care Industry
- Core skills learned: setting up drivers for a controller (here specifically it was the OpencM9.04 Control board), interfaced hardware motors with a software controller, basics of real-time interaction using virtual reality techniques.

## LANGUAGES

| Language | Proficiency |
|---|---|
| Assamese | Native Language |
| English | Full Working Proficiency |
| Hindi | Bilingual Proficiency |
| French | Novice |