

ASHIRBAD SAMANTARAY

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EXPERIENCE

RESEARCH ASSISTANT | FULL TIME

JULY 2019 - PRESENT

INDIAN INSTITUTE OF TECHNOLOGY DELHI , NEW DELHI

- Created a gamification platform for the treatment of patients with Amblyopia, progress is monitored by practitioners using a dashboard. Developed using Unity, NodeJs, Javascript, Bootstrap and MongoDB.
- Designed an experiment for assessment of visual field defects in 3D motion in a virtual reality environment using eye-tracking with FOVE Virtual Reality headset.
- Developed a marker-based Augmented Reality application for children to learn alphabets interactively.

SOFTWARE DEVELOPER INTERN | PART TIME

OCTOBER 2019 - MARCH 2020

NABLEIT CONSULTANCY PVT LTD , NEW DELHI

- Developed a cloud-based facial recognition API that identifies people present in an image or video in real-time using FLASK, OpenVINO and SQLite.
- Developed a facial recognition based classroom attendance system, currently undergoing trials at IITD classes.

BACK-END DEVELOPER | CO-FOUNDER

AUGUST 2018 - JUNE 2019

HERMIT LABS PVT LTD , BHUBANESWAR

- Developed a web application for a client which ingests data sent by IoT sensors in mines and displays the analytics in a customized dashboard. Developed using NodeJs, Express, Mosquitto and MongoDB.
- Overseeing the entire project from client acquisition, managing the team to the deployment of the product.

SELF PROJECTS

BALL RUNNER

FEBRUARY 2020

- Developed a hand-gesture controlled Google VR Cardboard game using Python, Handtrack.js and Unity.

APPOINTMENT BOOKING SYSTEM

FEBRUARY 2017 - APRIL 2017

- Developed a Hospital Appointment Booking System for a client using PHP, Javascript, Bootstrap and MySQL.
- Application is integrated with third party APIs for Payment Gateway, SMS and email notifications.

ALUMNI WEBSITE

MARCH 2016

- Designed using Wordpress the alumni website of my college, includes functionality such as forums, chat-bots and notification systems.

EDUCATION

BACHELOR OF TECHNOLOGY , COMPUTER SCIENCE AND ENGINEERING AUGUST 2015 - OCTOBER 2019

GOVERNMENT COLLEGE OF ENGINEERING , KEONJHAR

TECHNICAL SKILLS

LANGUAGES : Javascript | Python | C#

DATABASES : MongoDB | MySQL | SQLite

BACKEND : NodeJS | Express | Flask | PHP

GENERAL DEV : Postman | Git

GAME DEV : Unity | Blender | AR FOUNDATION