

# Prem Nath Dey

@premnathdey | 790-342-0825

## EDUCATION

### INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, KALYANI

#### B.TECH IN COMPUTER SCIENCE AND ENGINEERING

Expected June, 2021 | Kalyani, IN  
Cum. GPA: 8.01

### MGM HIGHER SECONDARY SCHOOL

Bokaro Steel City, IN

#### STD. 12TH

Passed : 2016 | 84

#### STD. 10TH

Passed : 2015 | CGPA : 9.2

## LINKS

GitHub:// premnathdey

LinkedIn:// premnathdey

Website:// @premnathdey

Facebook:// premnathdey

Instagram:// premnathdey

HackerRank: // premnathdey

## COURSEWORK

### UNDERGRADUATE

Programming in C/Python

Computer Organization and Architecture

Data Structures and Algorithms

Operating Systems

Probability, Statistics & Discrete

Mathematics

Machine Learning and AI

Compiler Design

### HIGH SCHOOL

Object Oriented Programming in C++

Computer Networking

Database Management

## SKILLS

### PROGRAMMING

Over 5000 lines:

C++ • JavaScript • Python • CSS

Shell • HTML

Over 1000 lines:

C • Arduino • PHP • Assembly • Java •

Android • Solidity

Familiar:

iOS • LaTeX • MySQL

## EXPERIENCE

### HEB ALLES | FULL STACK DEVELOPER (INTERNSHIP)

December 2019 - present

- The idea behind the app was to redefine how local services and servicemen were being hired in India. I had developed the complete app in react-native and deployed the app for both Android and iOS platform. The backend was deployed in firebase.
- Project Technology stack: Angular, SCSS, Node.js, MS SQL, AWS.

### ENTHIRE | WEB DEVELOPMENT (INTERNSHIP)

Nov 2019 - Dec 2019

- A full stack website development.
- Developed full-stack web applications which processed, analyzed, and rendered data visually. Liaised with back end developers, front end developers, quality assurance testers, and CTO as needed.

### CLOUD-SERVICE | INTERNSHIP

June - July 2019

- Working for cloud service AWS.
- The project was to automate different window service using lambda and cloudFormation. Build Lambda script with python for regulate backup of EC2 instances.

## CERTIFICATIONS

### COURSERA GOOGLE CLOUD PLATFORM FUNDAMENTALS

LINK September 2019 | Stanford University | 100%

### OBJECT-ORIENTED-PROGRAMMING IN JAVA

LINK Feb 2019

**ORGANIZATIONS** • Member of the Technical Club of IIIT, Kalyani • Leader of IIIT, Kalyani Web Team • Founding member of IIIT, Kalyani Free and Open Source Club

**INTERESTS** • Distributed Systems and Kubernetes • Machine Learning • IoT • AI • Blockchain • Game Design • Deep Learning and Neural Networks

### HACKATHON SELECTIONS • GAME OASIS HACKATHON

BANGALORE (Upcoming) • XSpring Blockchain Interoperability Hackathon • UtkalHacks-2019 • HACKINIT -2019 • Everest Hack • OnLoad • hackNSUT • HackBMU • VERSION 19 • HACKVERSE (Organised by NITK) • Game Oasis Hackathon San Francisco

# PROJECTS

## **VRSCRIPT | A MODERN VR BASED 3D PROJECT FOR MAKING YOGA AND MEDITATION TO COME TO YOU.**

JAN 2020

This project was a result of a long term research and deep investigation on how yoga effects the body and how mind work to make people do something. Yoga.apk is a Virtual reality app that's created using sophisticated technology like unity3D and blender. This was made at Smart India Hackathon.

## **NLP | THIS IS SIMPLE CHATBOT APPLICATION WITH NATURAL LANGUAGE UNDERSTANDING TO MAINTAIN VERY SIMPLE SHOPPING LIST. IT'S BUILT USING RASA NLU PYTHON LIBRARY WITH SPACY NLP BACKEND**

July 2019 - Aug 2019

This project is being mentored by Dr. Sanjay Chatterji from IIIT Kalyani

## **SHOPPING-APP(INTERN) |REACT-NATIVE| SHOPPING APP FOR USER**

DEC2019 - present

The idea behind the app was was to redefine how local services and servicemen were being hired in India.I had developed the complete app was in react-native and deploy the app for both Android and iOS platform.

## **GOOGLE ASSISTANT ACTION |BUILD DEPLOY AND PUBLISHED GOOGLE ACTION IN ACTION CONSOLE.**

JULY 2019 - AUG 2019 |

Build a google action with action console and published in google assistant name as CRICKET PROFESSOR

## **EYEAi | AI POWERED WEARABLE FOR THE VISUALLY IMPAIRED**

Mar 2019 | GitHub Project URL

A project that converts everything that a normal person can see into an interactive audio experience. This AI powered wearable helps a visually impaired person by giving a brief summary of the environment around him/her and can also identify faces, objects etc.

## **UTKALHACKS1.0 ||IOT BASED SYSTEM FOR CLEAN INDIA**

MARCH16-17| 2019 | GitHub Project URL

Developed a smart dustbin named as Mr.Bin(Smart-Bin) which aim at mortifying user and municipal corporation for cleanness of the dustbin. Their is also a separate chamber for Bio and Non-Bio degradable waste, so that the bio degradable waste could be utilised further for energy production. Landed second on IOT category.

## **ALEXA SKILL | AN AUTONOMOUS SHOPPING SYSTEM WITH THEFT DETECTION**

Oct 2018 | GitHub Project URL

Developed a alexa fact Skill on Indian cricket team . You can ask alexa about any Indian player. You can also ask alexa about the position and more facts about Indian National Cricket team. Its amazing fact skill which is now publish on alexa skill kit of amazon.

## **FOOD DETECTION | USING DEEP-LEARNIGN, MACHINE LEARNING AND OPENCV**

Oct 2018 | GitHub Project URL

The is a complex institute project developed with machine leaning algorithm named Aggregated Residual Transformations for Deep Neural Networks and openCV for image classification we had used pre defined image matrix form kaggle.

**OTHER PROJECTS** • Personal portfolio Website- Using HTML5 • AUTOHOME - Controlling home circuitry using arduino and Google Assistant • React-Native Insta clone UI app • LeaderClass(INTERN) webpage • YouTube View Count • Medical Diagnosis using JAVA |LINK