

PERSONAL INFORMATION

Nilotpal Pramanik

49/2 Chowdhury Para Road, Barasat, Kolkata, WB

+91 7044683022 +91 9123979063

nilotpal.npk@gmail.com, IRM2016501@iiita.ac.in

https://github.com/gooday451999

Gender Male | Date of birth 4 May 1999 | Nationality(-ies) Indian

APPLICATION FOR

Summer Project

AREAS OF INTEREST

Artificial Intelligence, Machine Learning, Deep Learning, Neural Networks, Robotics

PROJECTS ON HACKATHONS

Augmented Reality (AR)

PokemonApp

Project for 'IIITA Hacks 2016'

3D fight game between two Pokemon characters created with Augmented Reality(AR) with respect to the Pokemon Cards, built on Unity3D.

Skills: C# | Java | RPC | Objective-C++ | ShaderLab

Other Contributors: Abhishek Agrawal, Abhishek Jaiswal, Surabhi Gogte

Link: https://github.com/gooday451999/PokemonApp

Artificial Intelligence (AI)

Game-The-Dark-Chase

Project for 'IIITA Hacks 2017'

3D Game to find 4 papers(white rectangular block) which are hidden in the darkroom as well as you should keep in your mind that there are also 5 bots(AI characters). You shouldn't fall in the bot's eye-sight range and come close to the sensitive region(around their bodies). They are AIs so if you somehow fall in their eye-sight or in their sensitive region, they will chase you and start growling. If you are caught by any of the bots your found pages will be zero and you have to replay the game but the score(timer) will go on as it denotes the minimum time you are taking to finish the game. And after winning the game the light will on and the bots will die. This is built on Unity3D, the Game Engine.

Skills: C# | ASP

Other Contributor: Aditya Narayan Pradhan

Link: https://github.com/gooday451999/Game-The-Dark-Chase

Chat Bot

Movie-TvSeries-Bot

Project for 'Hack In The North 2018'

Basically it is built on HASURA. And from that platform we clustered the "hello-nodejs-express" to deploy our code in their platform. In our project we used the API of "Facebook-Messenger" to create a chatbot (domain based AI) which is able to provide informations about the movies, tv series, asked by the users. To get the informations about the queries we have used the "The Movie DB" database API. Through out the project we are successfully exploring the HASURA and trying to make the bot too smart using "DIALOGFLOW".

Skills: Node.js | Express.js

Other Contributor: Neil Syiemlieh

Link: https://github.com/gooday451999/hint18

Web Development

OpenCode-Collaborative

Project for 'O P E N C O D E 18'

Collaborative Open Source Event in IIIT, Allahabad

Skills: Java Script | CSS | HTML

Other Contributors: *Individual Participation.*

Link: <https://github.com/gooday451999/OpenCode-Collaborative>

Competitive Coding/Programming

OpenCode-CodeStash

Project for 'O P E N C O D E 18'

CodeStash is a project under OpenCode'18. On each day 12AM we will be adding the problem as an issue and the participants will have to solve the problem (any language) and in the Pull-Request mention the link of the online judge so that we can verify your submissions. First person to solve the problem will be awarded 20 points and the rest submissions will be awarded 10 points.

Skills: Java

Other Contributors: *Individual Participation.*

Link: <https://github.com/gooday451999/CodeStash>

PROJECTS UNDER
SUPERVISION

Recommender System

Neighborhood-Based-Recommender-System

Project Supervisor Dr. Ranjana Vyas

Recommender System with Neighborhood Concept, Semantic web and Linked Open Data(LOD) based project.

Started: April'18

Progress: For self learning, I've just implemented the basic algorithm of neighborhood concept to determine the similar users in movie-rating Recommender System.

Skills: Java(for now)

Link: <https://github.com/gooday451999/Neighborhood-Based-Recommender-System>

SELF LEARNING PROJECTS

Android App Development

StudyMate

An android app based on the course structure of IIIT,Allahabad to provides all kinds of study materials like pdfs,slides,video lectures,problem sets,last year question papers,lab records for each subjects of each semesters.

Duration: May'17-July'17

Skills: Java | XML

Neural Network

Neural-01

Very basic implementation of Neural Network for Learning Purpose.

Skills: Python

Link: <https://github.com/gooday451999/Neural-01>

Artificial Intelligence (AI)

AI-Controlled-Car

It's an ongoing project to visualize the 'AI Controlled Car' in real-life model on Unity3d platform.

Skills: C# | ASP

Link: <https://github.com/gooday451999/AI-Controlled-Car>

4th Semester	Library Management System Project for 'Principle of Programming Language (IPPL430C)' An efficient Library Management System using PROLOG Skills: PROLOG Other Contributors: <i>Individual Project.</i> Link: <i>Ongoing Project.</i>
4th Semester	Medicine Search App Project for 'Database Management System (DBMS432C)' An Android App provides particular Medicines, corresponding Price and location of the nearest Medical Stores where the medicines are available for any diseases, searched by the user. Additionally, it provides more informations about the diseases also. Skills: Java XML PHP MySql Other Contributors: Anand Singh, Mohit Verma Link: <i>Ongoing Project.</i>
3rd Semester	Cyber-Credit-Card-System Project for 'Object Oriented Methodologies (IOOM332C)' Payment Gateway to make secure online transactions using Credit Card. Skills: Java Swing Other Contributors: Sudhanshu Shakya, Nishant Malik, Rakshit Chaudhary, Kartik Madaan Link: https://github.com/goodday451999/Cyber-Credit-Card-System
3rd Semester	Virtual-Memory-Simulation Project for 'Operating System (IOPS332C)' Virtual memory allows a process of P pages to run in F frames, even if $F < P$. This is achieved by use of a page table, which records which pages are in RAM in which frames, and a page fault mechanism by which the memory management unit (MMU) can ask the operating system (OS) to bring in a page from disk. The page table must be accessible by both the MMU and the OS, and an IPC facility is needed for communication between the MMU and OS. Given the MMU simulator below, write a program that does the work of the OS to maintain a process' use of RAM and the page table. The page table is held in shared memory, and signals are used for IPC. You do not need to simulate the RAM, only the page table maintenance. However, to make things realistic, your OS process must sleep(1) whenever a disk access (write out page to disk, read in page from disk) would be necessary in a real implementation. Skills: C Other Contributors: <i>Individual Project.</i> Link: https://github.com/goodday451999/Virtual-Memory-Simulation

PROGRAMMING SKILLS

Programming Languages	Java, C, C++, C#, Python
Scripting Languages	Java Script(Node.js, Express.js, p5.js), CSS, HTML, jQuery, processing
Frameworks	ASP, PHP
DB Related	MySql, PL/SQL
Others	Prolog, CLISP, Latex
Tools	Eclipse (Java), Code::Blocks (C++), Unity3D, Visual Studio, CodeBlocks (C), SublimeText, NetBeans (Java), PyCharm(Python), Oracle

ACTIVITIES IN

Open Source	Github Repository: 27 Link: https://github.com/goodday451999
Competitive Coding	Hacker Earth Problem Solved: 174 Link: https://www.hackerearth.com/@nilotpal8
Competitive Coding	Hacker Rank Contest Rating: 1361.33 Link: https://www.hackerank.com/nilotpalnpk

EDUCATION

2016 – 2021 (expected)	Dual Degree Bachelor of Technology in Information Technology and Masters of Technology in Information Technology with Specialization in Robotics Indian Institute of Information Technology, Allahabad, Uttar Pradesh, India CGPA (upto 1st Year): 8.41/10
2014 – 2016	Higher Secondary Ramakrishna Mission Vidyalaya, Narendrapur, Kolkata, West Bengal Class: 11-12 Percentage: 92.60
2008 – 2014	Secondary Ramakrishna Mission Vidyapith, Purulia, West Bengal Class: 5-10 Percentage: 92

PERSONAL SKILLS

Mother tongue(s)	Bengali
Other Languages	English, Hindi
Communication skills	Good and proficient in English
Other skills	Writing blogs and visiting Modern Art galleries. Enjoy all sports particularly cricket. Love to travel and experience different cultures.