PERSONAL INFORMATION	**Nilotpal Pramanik**	Curriculum vitae

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

AREAS OF INTEREST Artificial Intelligence, Machine Learning, Deep Learning, Neural Networks, Robotics

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

PROJECTS ON INTERNSHIPS

Summer 2018 ProAnalyzer

Summer Internship at Indian Institue of Technology(IIT), Guwahati under Supervision of Dr. Prithwijit Guha, Department of Electronics and Electrical Engeneering(EEE).**Skills:** | Java | XML | CSS | HTML Develop an Android App to provide instantaneous parameters (Current-Max-Avg Speed, Distance traveled, Time of duration,Show the route traveled on Google Map) for individual users and record the sound during the journey, Visualize the movement of those vehicles(users) on Google Maps collectively on a common WebGUI

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 | ObjectiveC++ | ShaderLab **Other Contributors:** Abhishek Agrawal, Abhishek Jaiswal, Surabhi Gogte **Link:** https://github.com/goodday451999/PokemonApp

Artificial Intelligence (AI) GameTheDarkChase

Project for 'IIITA Hacks 2017'.This game is built in Unity3D containing AIbots and player along with 3D environment. **Skills:** C# | ASP **Other Contributor:** Aditya Narayan Pradhan **Link:** https://github.com/goodday451999/GameTheDarkChase

Chat Bot MovieTvSeriesBot

Project for 'Hack In The North 2018'.This is FbMessenger chatbot(domain based AI),built on HASURA, provides all informations about movies,tvseries, asked by the users. **Skills:** Node.js | Express.js **Other Contributor:**Neil Syiemlieh **Link:** https://github.com/goodday451999/hint18

SELF LEARNING PROJECTS

Machine Learning (ML) Real-Time Multiple Color Detection Through WebCam

Red, Blue, Yellow, Black, White Colors from real time can be detected from live in WebCam **Skills:** Python

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 Neural01

Very basic implementation of Neural Network for Learning Purpose.**Skills:** Python **Link:**https://github.com/goodday451999/Neural01

Artificial Intelligence (AI) AIControlledCar

It's an ongoing project to visualize the 'AI Controlled Car' in reallife model on Unity3d platform. **Skills:** C# | ASP **Link:** https://github.com/goodday451999/AIControlledCar

PROJECTS UNDER SUPERVISION

Recommender System — NeighborhoodBasedRecommenderSystem

Project Supervisor Dr.Ranjana Vyas.Recommender System,Semantic web and LOD based project.**Started:**April'18 **Progress:** For learning, I've implemented the basic algorithm of this to determine the similar users in movierating System. **Skills:** Java(for now) **Link:** here

SEMESTER PROJECTS

4th Semester — Medicine Search App

Project for 'Database Management System (DBMS432C)' An Android App provides Medicines, corresponding Price and location of the nearest Medical Stores for any diseases, searched by the user. **Skills:** Java | XML | PHP | MySql **Other Contributors:** Anand Singh, Mohit Verma **Link:** *Ongoing Project.*

3rd Semester — CyberCreditCardSystem

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/CyberCreditCardSystem

3rd Semester — VirtualMemorySimulation

Project for 'Operating System (IOPS332C)'Virtual memory simulation based project.**Skills:**C

Link: https://github.com/goodday451999/vms

OPEN COLLABORATIVE PROJECTS

Web Development — OpenCodeCollaborative

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/goodday451999/OpenCodeCollaborative

Competitive Coding/Programming — OpenCodeCodeStash

Project for 'O P E N C O D E 18' Competitive coding Project **Skills:** Java **Other Contributors:** *Individual Participation.* **Link:**https://github.com/goodday451999/CodeStash

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,MATLAB

COURSE WORK

Institute Courses — Object Oriented Methodologies(OOM),Operating System(OS),Principle of Programming Language(PPL),Data Structure(DS),Microprocessor(MIP),Database Management System(DBMS),Calculus,Linear Algebra,ProbabilityStatistics,Convex Optimization

Online Courses — Anroid App Advance(Udacity),Machine Learning(Edureka),Deep Learning(Edureka),Neural Network(Edureka),Internet of Things(Edureka)

PERSONAL DETAILS

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H https://www.hackerrank.com/nilotpalnpk

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