

# Arka Nayan

Formerly Arkanayan Shit

## About

★ 5/5/1994  
Male

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Bankura  
West Bengal

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🌐 http://arkanayan.me

🐙 github.com/Arkanayan

## Languages

English  
Bengali  
Hindi

## Programming

Java  
🤖 Android  
Python, C, C++  
CSS3 & HTML5  
Javascript  
(angular2, jQuery)  
Git

## Interests

web development, android development, machine learning, programming

## Education

2013-2017	<b>B.Tech</b> in Computer Science & Engineering Bankura Unnayani Institute of Engineering	MAKAUT/WBUT CGPA (till 5 <sup>th</sup> Sem): <b>74.36</b>
2013	<b>Higher Secondary</b> in Science Bankura Christian Collegiate School	West Bengal Board of Higher Secondary Education Marks: <b>70.6%</b>
2010	<b>Secondary Examination</b> Bankura Christian Collegiate School	West Bengal Board of Secondary Education Marks: <b>78.5%</b>

## Experience

July - Aug 16 **IIT, Kharagpur** Summer Training

- Implemented Bloom's taxonomy question categorization in Javascript.
- Handwriting data collection for Dyslexia and Dysgraphia.

## Skills

- Java, Android, Python, Javascript, SQL, HTML5, CSS3 (Sass)
- Exposure to C, C++, PHP, Matlab, C#
- Frameworks/Libraries: Flask, jQuery, Angular 2, NodeJs, Express, RxJava, Retrofit, webpack
- Version Control, specifically Git and Github
- Databases: MySql, PostgreSQL, NoSQL, SQLite
- Proficient in Linux
- Familiar with Linux System Administration
- Softwares
  - JetBrains IDEs, Android Studio, Visual Studio, Vim, Eclipse, MS Office, Nginx


## Final year project


- Regression analysis using Machine Learning


Regression analysis is one of the most commonly used statistical techniques in social and behavioral sciences as well as in physical sciences. Its main objective is to explore the relationship between a dependent variable and one or more independent variables.


# Personal Projects

/Arkanayan

- **Backend Server to send notices** /Arkanayan/BuieConnect-Web
  - Communicates with android app via REST apis
  - Authentication and authorization via REST apis
  - Uses OAuth 2.0 protocol for registration & authentication
  - Sends push notifications using Firebase Cloud Messaging

*Framework:* Flask (Python 3.5)
- **Companion android app to receive notices** /Arkanayan/BuieConnect-Android
  - Uses Google Sign-In to authenticate
  - Receives notices and presents them

*Libraries used:* Retrofit, Firebase
- **Medicine shopping app (Android)** /Arkanayan/Pharmacy-Android
  - Authenticates users via OTP
  - Takes orders by taking image of prescription
  - Material design
  - Realtime updates
  - Service used: Firebase

*Libraries used:* Retrofit, RxJava, OKHttp, Retrolambda, ButterKnife
- **Web app for order administration** /Arkanayan/Pharmacy-Web
  - Single Page Application using Angular 2
  - Material design
  - Role based authorization system
  - Push notifications using FCM
  - Realtime updates

*Libraries used:* RxJs, Firebase,  
*Build System:* Webpack