

Arka Nayan

Formerly Arkanayan Shit

About

★ 5/5/1994
Male

Address

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

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, KnockoutJs, 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