

Arka Nayan

Formerly Arkanayan Shit

about

101A Patpur
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 Avg marks (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, 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


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 shows 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
- **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, OKHttp

Build System: Webpack