

Arka Nayan

About

★ 5/5/1994
Male

Current Location
Bangalore

Home Address
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Bankura
West Bengal

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🐙 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

Experience

- Feb - Apr 17 **Mantra.ai (Mantra Labs)** Internship
- Implemented real time pedestrian counting using **OpenCV**
 - Implemented real time face recognition system using Deep learning
 - Worked on image classification using **TensorFlow**
- July - Aug 16 **IIT, Kharagpur** Summer Training
- Implemented Bloom's taxonomy question categorization in Javascript.
 - Handwriting data collection for Dyslexia and Dysgraphia.
- 2016 **Ecommerce application for Android & Web app** Freelance
- Authenticates via OTP, Material Design, Realtime updates
 - Technologies used: Firebase, Angular 2 Js, RxJava
- 2014 - 2015 **Long Distance Wireless Networking** Freelance
- Covering approx 120km, 10 Gram Panchayats & 1 BDO Office
 - Devices used: Mikrotik routers, Ubiquiti wireless routers

Education

- 2013-2017 **B.Tech** in Computer Science & Engineering
Bankura Unnayani Institute of Engineering **MAKAUT/WBUT**
CGPA (till 6th Sem): 74.98
- 2013 **Higher Secondary** in Science West Bengal Board of Higher Secondary Education
Bankura Christian Collegiate School **Marks: 70.6%**
- 2010 **Secondary Examination** West Bengal Board of Secondary Education
Bankura Christian Collegiate School **Marks: 78.5%**

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.


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