

KRISHNA BOSE

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EXPERIENCE

JUNE 2018 – APRIL 2019

SOFTWARE ENGINEERING INTERN, SOFTCLIQUE SOFTWARE LLP

1. Worked with the software development team for hybrid app based on IONIC framework, where I was tasked to make the app for one of their featured products.
2. Created a Native android application that syncs the drone flight records of DJI drones for risk management analysis on the main platform.

EDUCATION

2016-2020

B.TECH IN COMPUTER SCIENCE AND ENGINEERING, KALYANI GOVERNMENT ENGINEERING COLLEGE

YGPA: 8.016 up to 5th semester

2013-2015

CLASS XII BOARD (ISC), JULIEN DAY SCHOOL, KALYANI

GRADE: 94.25%

2011-2013

CLASS X BOARD (ICSE), JULIEN DAY SCHOOL, KALYANI

Grade: 92.5%

SKILLS

- Algorithms and Data Structures
- MVC Architecture
- Hybrid mobile apps using IONIC/Angular
- Photoshop, UI design
- Native Android App Development
- REST API
- AWS/Firebase/GCP
- Mobile based Augmented Reality

ACHIEVEMENTS

- Won national finals of **Smart India Hackathon 2019** at Noida for creating an Augmented Reality (AR) based android app for Pepperfry.com that would be used to visualize 3D models of the

furniture in user's real world surroundings. Smart India Hackathon (SIH) is a nationwide competition organized by Government of India and is one of the biggest software hackathons in India/world. (2019)

- 3rd prize at **IEM ISSAC (International Smart Space App Challenge)** at Kolkata. This is a 48-hour software development Hackathon where the goal is to create a functional app for their problem statement released on the day. (2018)
- Secured 2nd position in Reverse Engineering event "Decapsulate" in Tectix, the annual tech fest of Kalyani Government Engineering College.
- Secured 1st position in autonomous robotics event "Robo-T-Racer" in Tectix, the annual tech fest of Kalyani Government Engineering College.
- Participated at National final of **Smart India Hackathon** organized by Government of India in association with ISRO, Ahmedabad. (2018)
- Represented college in **ACM-ICPC (Inter Collegiate Programming Contest)** at Amritapuri College of Engineering, Kerala at the National finals. (2017)
- Represented college at **National Student's Space Challenge** (IIT-KGP) image processing autonomous robotics event and secured second prize. (2017)
- Represented School and secured third position at the **International Schools Software Competition** held at Chennai (conducted by SEARCC) twice. (2012, 2013)

OTHER TECHNICAL PROFICIENCIES:

Operating Systems:

- Windows
- Linux

Frameworks/tools:

- | | |
|----------------------------|-----------------------------|
| • Android Studio | • Git |
| • Swing Framework for java | • Amazon Web Services (AWS) |
| • Ionic/Angular Framework | • Heroku |
| • Google Firebase, GCP | • Google ARCore, Vuforia |
| • Node.js | • MongoDB |
| • Express | • ElasticSearch |

Programming Languages:

- Java (Proficient)
- JavaScript/TypeScript (Proficient)
- C, C++ (Familiar)
- Python (Familiar)

PROJECTS:

- An online platform for effective listing of old books that user can post for sale and prospective buyers can search and find out based on its location of availability, author, title, publication house, category of book or by similar books. It incorporates a versatile search for giving user the most for the keywords entered and also has a secure chat service in-app to facilitate negotiations without unnecessarily giving away their personal contact info. Available [here](#) at

Google Play Store.

Technologies explored: Git, Rest API, elastic search, nodejs, android development with android studio, elastic search, AWS, firebase.

- Created an app to show the consolidated syllabus for all the technical colleges under WBUT (West Bengal University of Technology), available [here](#) at Google Play Store.
Technologies explored: Android development, material design, manipulating local database post publishing.
- Developed official android app for my college's annual fest that keeps users updated in real time. Also a QR code based verification for cashier and event coordinators to keep track of participants before and on the day of respective events, available [here](#)
- Created an android app that fetches Air Quality Index (AQI) of user's current location and shows him necessary details, and gives periodic notifications regarding the change in the air quality of his surroundings.
- Created an Augmented Reality powered android app for (Smart India Hackathon) that enables users to visualize 3D models in their surroundings by placing them on any plane surface using the phone camera.