

# KRISHNA BOSE

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## 🎓 Education

**Kalyani Government Engineering College,**  
B.TECH, Computer Science and Engineering  
2016 Jun – 2020 Jul  
CGPA: 8.6

## 🧠 Skills

### Preferred Languages

Java, TypeScript, JavaScript, Python

### Algorithms, Data Structures, OOP

OOP in Java

### Native App development

Java, XML

### Hybrid App Development

Ionic with Angular

### Web Development

Angular, HTML, CSS, Javascript

### Backend Development

REST API, Nodejs with Typescript, Flask with Python

### Database

MongoDB, Firebase Real-Time database, Firestore

### Deployment and Cloud

AWS Lambda/EC2, serverless, CI/CD pipelines, Firebase

## 🏆 Awards

**1st Prize, Smart India Hackathon Software Edition,** Government of India, Noida 🔗  
2019

**3rd prize, International Smart Space App Challenge (ISSAC),** IEM, Kolkata  
2018

**Represented College at ICPC Regional Finals,** ACM, Amritapuri, Kerala  
2017

**3rd prize, International Schools Software Competition,**  
Computer Society of India and SEARCC, Chennai  
2014

## 📁 Experience

**IntelliH inc,** Part Time Software Developer 🔗  
2020 Jan – 2020 Jun

Increased efficiency by applying lazy loading and modularizing the contents. Created reusable custom components

**ThinkZone.in,** Technology Development Intern 🔗  
2019 Aug – 2019 Nov

Redesigned the educators app with fresh UI and improved UX. Optimized the performance of the app.

## 📁 Projects

### Old Pages 🔗

A platform to share and exchange old books. It has in-app chat, search, auth, push notifications, category browser, location aware content and filters

### BookVisualizAR 🔗

An Augmented Reality (AR) based app for making books more interactive. User scans a picture on book to see 3D models, animations or videos on top of it.

### Crysto 🔗

An E-commerce platform for a hyper-local delivery startup. It has a search, equipped with dynamic categories, payment gateway and authentication

### State Center for Laboratory Animal Breeding

A animal tracking system to keep record of lab rat and mice from birth till sell/death. This also keeps track of specific family tree of individual mice using QR code markers on different boxes.

### Pothoprodorshok 🔗

A crowd-sourcing platform for collecting data on accessibility of roads. It has an accelerometer based jerk detection to determine the quality of road. This is used to calculate reliability score of a path.

### PepperCore

Augmented Reality (AR) based app made at Smart India Hackathon 2019. It shows the interactive 3D models of selected furnitures in AR.

### Makaut Syllabus 🔗

An app for students of all colleges under MAKAUT university to see university syllabus and notices obtained by scraping the official university website

### Breatheasy

A geolocation based app that follow's users location and keeps track of the Air Quality Index of current area. It fetches nearby data and plots on a map.