

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

Programming 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

NoSQL databases: 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

📁 PROFESSIONAL EXPERIENCE

IntelliH inc, Software Engineer Intern 🌐
2020 Jan – 2020 Jun

- Enhanced efficiency by applying lazy loading and reduced 30% load time.
- Created reusable custom components

ThinkZone.in, Software 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 🌐

- Designed a platform to exchange old books.
- It contains in-app chat, search, authentication, push notifications, category browser, location aware content and filters

BookVisualizAR 🌐

- Developed 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 🌐

- Built an E-commerce platform for a hyper-local delivery startup. It has search, categories, push notifications, payment gateway and user auth

State Center for Laboratory Animal Breeding, Govt. of West Bengal

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

Pothoprodorshok 🌐

- A crowd-sourcing app for collecting data on road accessibility and calculate its safety score.
- It contains accelerometer based jerk detection to determine the quality of road.

PepperCore

- Augmented Reality (AR) based app for visualization of 3D models of furniture
- It also allows user to interact with the AR object

Makaut Syllabus 🌐

- An app for students of all 192 colleges under MAKAUT University to see latest syllabus
- It has section for published notices obtained by scraping the official university website

Breatheasy

- A geolocation based app that follows users location and keeps track of the air quality
- It fetches nearby data and plots on a map and warns the user periodically for health hazards.