Curriculum Vitae

Avinaba Ray

– **Android Mobile App Developer**
– **Smart India Hackathon - 2020 Winner**
– **Google Home Beta Tester**
– **Pursuing B.Tech. Computer Science and Engineering**

Fields of Interest

- Android App Development
- Machine Learning
- Operating Systems

Education

Institute of Technical Education and Research, Bhubaneswar
- B. Tech. Computer Science and Engineering (1st Year)
  – SOA Deemed to be University (2019) – **9.75/10 CGPA**
  (20% Scholarship Awarded)

Delhi Public School, Raipur (Chhattisgarh)
- Senior School Examination (12th)
  – CBSE Board (2018) – **95.20 %**

- Secondary School Examination (10th)
  – CBSE Board (2016) – **10/10 CGPA**

Skill Highlights

- **Programming Languages**
  - Java
  - C++
  - Python

- **Utility Softwares**
  - Microsoft Word
  - Microsoft Excel
  - Microsoft PowerPoint

- **Web Development**
  - HTML, CSS
  - Java Script

- **Database**
  - Cloud Firestore
  - Firebase Realtime Database
  - MongoDB

- **Cloud Platforms**
  - Google Cloud Platform

- **Development Skills**
  - Native Android Development
  - Node.js app development

- **Designing Softwares**
  - Adobe Photoshop
  - inVision Studio (Prototype Designing)

- **Frameworks and Libraries**
  - Node.js
  - TensorFlow lite
  - React
  - ionic Framework
  - Flask

- **Well-versed Cloud Tools**
  - Firebase Authentication
  - Firebase Cloud Functions
  - Firebase Cloud Messaging
  - Google Maps Platform
  - Other GCP Products and APIs

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Positions of Responsibility

- Chair of Association for Computing Machinery (ACM) Student Chapter in our university (Siksha 'O' Anusandhan, Deemed to be University).
- Coordinator of our college's only coding club CODEX.

Internships

- **Interned** at **Zersey India Pvt. Ltd.** (via Internshala) for 4.5 months (30-Dec-2019 to 16-May-2020) as an **Android Mobile App Developer**. It included designing and optimizing a **native Android** social media app namely **Pods**. In it, users can create and share memes and short videos and challenges too. It comprises of video processing using **FFMPEG library** and enhancing the app's UI to make it as user-friendly as we can. It uses Cloud Firestore Database in the backend. This internship is helping me learn a lot about optimizing a complex app to make them run even on low-tier mobile devices.

- **Interned** at **Kaikaj Venture Pvt. Ltd.** (via Internshala) for 2 months (21-Sep-2019 to 19-Nov-2019). It included designing and modifying 3 **native Android** Mobile Applications for their '05 Rentals' car and bike rental services. The apps' database was hosted on Firebase Realtime Database. It was my challenge to enhance the user experience by improving the UI elements using **Adobe Photoshop**. This internship helped me improving my skills to meet innovative business ideas like Car Rentals and apps can have a great effect on the customer base. The links to the apps are as follows.
    - 05 Rentals (The Customer App)
    - 05 Partner (The Partner App)

- **Interned** at **Pracsol Technologies India Pvt. Ltd., Kolkata** for 6 weeks (01-Jun-2019 to 12-Jul-2019). It included designing the prototype of a mobile application using **inVision Studio** and developing a **Hybrid mobile app** using **ionic 4** framework and connecting it to a live database using **Firebase** for the E-Learning product EdCLAP. This period helped me to realise the actual market requirements in the real world and how to meet them with utmost perfection.

Projects

- **Blason (Smart SOS Triggering app)** app built for Smart India Hackathon 2020 to alert your near-ones which triggers up detecting Alert keywords using Voice Recognition in the background.

- **RentGenie (Rent Management App for Tenants)** app to manage property rent features like Agreement, Deposits, communication with the owner etc.

- **COVID Ration (Ration Management App)** app used LIVE to manage and distribute Ration items in the city of Kolkata during COVID-19 pandemic to reach the crowd easily using volunteers and super admins with specific rights to manage the distribution and delivery network.

Workshops

- **Workshop** at **IIT-Kharagpur** (09-Mar-2019 to 10-Mar-2019) on Android App Development conducted by Microsoft Technology Associate staying there for full 2 days at IIT interacting with the students over there and increasing the productivity of learning.

Achievements

- **Winning Smart India Hackathon – 2020** for Problem Statement RK57 (Digital Policing) organized by Ministry of Human Resource and Development, India in Aug-2020
- Winning team of HackerWar 2.0, a Hackathon conducted by Institute of Technical Education and Research (ITER) for the screening of Smart India Hackathon (SIH - 2020) in Feb-2020.
- Secured 9th position among 160 registered teams in Trithon, a Hackathon conducted by Trident Group of Institutions, Bhubaneswar.

- Delhi Public School, Raipur Topper in (PCM + Comp. Sc.) Branch in Class 12th CBSE.
- Scored 98/100 in Computer Science in Class 12th CBSE.
- Secured 10 CGPA in class 10th CBSE Board Examinations.

Date: 09-Aug-2020
Place: Kolkata

Avinaba Ray