Sourik Ganguly

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Summary :

A forward-thinking developer offering 2+ years of experience building,integrating, testing and supporting Android applications from scratch for mobiles and devices on the Android platform and seeks a position with a top technology firm.

Professional Experience :

1. **Toppr** Technologies Pvt Ltd, Hyderabad, India
   Software Engineer - Android Developer, November,2019 - Present
   - Working on the flagship product/module of Toppr app.
   - Working on **Toppr Ask** App which is a **Flutter** based **cross platform** app and is responsible for implementing features from scratch in Toppr Ask.
   - Working extensively with **clean architecture** and **MVVM** design pattern.

2. **Metalclock**, Bangalore, India
   Freelance Android Developer, September,2019 - October 2019
   Worked in various modules of eParchi app and designed them in Kotlin ensuring clean architecture.

3. **Manta Solutions** Pvt Ltd, Singapore
   Freelance Android Developer, August,2019 - September, 2019
   - Worked on Graphql API's for fetching data.
   - Worked with ApolloClient for handling Graphql data.
   - Created critical components of the app from scratch.
   - Used MVC design pattern.
   - Wrote jUnit and Espresso tests for testing individual modules.

4. **Kruzr** Mobility Technology Solutions Private Limited, Santa Clara, California
   Android Developer, August, 2018 - August 2019
   Developed the Kruzr app along with the various modules and designed them.

- Designed and developed the Login Module according to European standards.
- Designed and developed the Home Screen for the app.
- Designed and developed the Voice Module and the Drive Modules.
- Designed the modules in such a way so as to make them independent, robust and scalable.
- Wrote clean, clear, efficient, well-tested and maintainable code.
- Ensured that content met or exceeded business and client requirements 100% of the time
- Articulated technical risks/limitations/challenges and obstacles to key stakeholders and managers.
- Used **MVVM** design pattern.
- Used Retrofit for networking and API calls.
- Used Dagger2 for dependency injection.
- Used ObjectBox for local database.

Technical Skills :

- **Languages :** Java, C, Kotlin, Dart
- **Database Technologies :** MySQL, ObjectBox, Room
- **Platforms/IDE :** Android Studio, IntelliJ, CLion
- **Concepts and Subjects known :** Data Structures and Algorithms, Design Patterns, Operating Systems, Ethical Hacking
- **Frameworks known :** Flutter, Android

Projects :

- **Recommendation System** : A simple Recommendation System like the one used by Youtube. The algorithm this project was based on is the **k-Nearest Neighbour algorithm**.

- **Stock Screener :** A stock screener which will help the user to predict stock prices and help him choose the company which will give him more profit if he invests in it. Code was written in **Python**. **BeautifulSoup** and **Tkinter** was used to scrape the webpage details from the official Yahoo finance page. **Matplotlib** was used to graph a company's

profit/loss and what might happen in the future. **Linear Regression** Algorithm in ML was used. Tried to understand the Mathematics used behind this algorithm and if there was a better way to optimise this algorithm without affecting the performance. Reduced the performance overhead by **5%**.

- **Music Player App :** Made a music app similar to a local music app which uses the local database of the phone (ObjectBox) to store user preferences. No internet is needed to run this app. This app was part of the course of **Core JAVA and Android** taken under **HP Summer Training Programme.**

- **Dynamic Excel Generation and Upload with macros validation** in Asp.NET under ITS-infrastructure and Architecture, **TATA Steel, Jamshedpur.**

- **Employee Management System:** An Employee Management System with a unique login page and a database for holding the details for the employee. It was done using C# and ASP.NET. This project was part of the vocational training given by **SNTI, Jamshedpur.**

- **Bank Management System:** A bank management system for the employees with a unique login page for the manager. Only the manager/employer can access the details of all the employees working under him. **Hibernate** and **JDBC** was used.

Trainings and Internships :

- Completed the course on **Core JAVA and Android** in **HP** Summer Training Programme.
- Vocational Training at **SNTI, JUSCO**,Jamshedpur
- Vocational Training at **ITS wing of TATA STEEL**, Jamshedpur
- Interned at **Kruzr** as an **Android Developer** for 3 months and developed the onboarding screens and modified the existing home screen and permissions needed according to the European standards.

Education :

Bachelors in Technology in Computer Science Engineering (April - 2018)
KIIT University, Bhubaneswar, Odisha

- Joined college in July 2014 and graduated on April 2018 securing an overall **CGPA of 7.4.**
- Was an active member of **KIIT Film Society** and participated in various events.
- Was an active member of the society **Goonj** and participated in various inter college events like **KIIT Fest, Kolloseum, Alma Fiesta**,etc,.

Higher Secondary in Pure Science (March - 2014)
Loyola School, Jamshedpur, Jharkhand

- Passed my Higher Secondary Education (ISC) in Pure Science in 2014 securing **94%**
- **Vice President of the Computer Club** and organized many intra-school events and quizzes.
- Active participation in school level **debates** and **cultural shows**.
- Completed **5th year** in **Arts and Drawing.**
- Completed **3rd year** in **Indian Classical Singing** and 1st year in **RabindraSangeet.**

Secondary in Computer Science (March - 2012)
Loyola School, Jamshedpur, Jharkhand

- Passed my secondary education (ICSE) in 2012 securing **94.4%**
- **President of Bio Club** and as the president, organized the inter-school event, **Symbiosis**. Got the President's award for organizing the most happening event in the school.