



Golap Gunjan Barman

An Android Application Developer with a technical experience on Android Mobile Application Design and Development with Good knowledge of Android Framework and Android SDK and good knowledge of Android UI design principles seeking an opportunity to use my academic and professional experience in the field of Engineering to innovate and apply new ideas.

Skills Profile

Technical

Operating System	Android, and iOS
Environment	Creating, Testing and Programming apps.
Methodology	Agile Methodology
Database	SQL, Firebase Real-time and Firestore
Languages	Java, C, Dart, Python

Functional

Development	<ul style="list-style-type: none">• Designs and creates application solutions to solve pain points of projects.• Checks feasibility of application prototypes• Modifies code to fix errors• Understanding of Detect Life cycle activities• Working on Android Studio IDE and Visual Studio• Developed and implemented the machine learning algorithm• Tested and refined the main model• Check the model efficiency testing along with android app
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Summary of Projects

Android App and Web based system – Detection of major pests and diseases of coconut of Assam

- Collect the required amount of images for model testing and training.
- Develop a Machine Learning model for detecting the diseases from coconut.
- Develop an Android app based on the coconut and also integrate the machine learning model.

Deep Learning based Android Application – Detect the Leaf Disease of Maize

- Collect the required amount of images of Maize's leaf for model testing and training.
- Develop a Deep Learning model for detecting the leaf disease of Maize.
- Develop an Android app based on Maize and also integrate the deep learning model.

Quiz App – Android Quiz App using Firebase as Backend

- Create a simple Quiz app with different Categories, sets, and questions.
- Multiple choice questions. The correct answer will display in case of the wrong answer.
- All the questions with answers are stored in the Firebase Firestore.
- Google Sign-in authentication is used as user's authentication.

COVID-19 Tracking App

- Used REST API for fetch the data.
- Volley library is used for requesting the data from the REST API and response back to the app.
- Google Sign-in authentication is used as user's authentication.

Concept Corner – A Learning app

- Computer course-based learning app
- Courses are providing in the form of PDF format
- PDF files are stored in the Firebase Realtime Database. (unique)
- Email id and Password is used as users' authentication

Publish Research Paper

- 'A Deep Learning Based Android Application to Detect the Leaf Diseases of Maize', 6th International Conference on Mathematics and Computing, (Springer), at Sikkim University Gangtok, 18-21 March, 2020.
- 'Comparative Assessment of AR, MA and ARMA for the Time Series Forecasting of Assam and Meghalaya Rainfall Division', 2020 International Conference on Computational Performance Evaluation (ComPE) North-Eastern Hill University, Shillong, Meghalaya, India. Jul 2-4, 2020.
- 'Comparative Assessment of Deep Learning to Detect the Leaf Diseases of Potato based on Data Augmentation' 2020 International Conference on Computational Performance Evaluation (ComPE) North-Eastern Hill University, Shillong, Meghalaya, India. Jul 2-4, 2020.
- 'Estimation of Tea Leaf Chlorophyll using MLR, ANN, SVR, and KNN in natural light condition', International Conference on Computing and Communication Systems: I3CS 2020, NEHU, Shillong, India. 10-11 August, 2020.

Education

Bachelor of Technology (Computer Science and Engineering) GIMT, Guwahati, Assam

Professional Organization

Horticulture Research Station, Assam Agriculture University, Guwahati

Project Assistant (Android App Developer)

Personal Links

GitHub: <https://github.com/barmangolap15>

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