DEBABRATA BHATTACHARYA[dbhatta1232+js@gmail.com](mailto:dbhatta1232+js@gmail.com) | [github.com/D-Bhatta](https://github.com/D-Bhatta) |

# Summary

Software Engineer with experience developing Java, Python, Android, and JavaScript applications. Can develop, integrate, and deploy AWS services. Can train and deploy Machine Learning models in Python.

# Skills

### Languages

**Fluent**: Python, Java, C++, HTML & CSS, SQL

**Intermediate**: JavaScript

**Learning**: Kotlin, PowerShell & Bash scripting for CI/CD, PHP

### Frameworks, API, and Cloud services

**Fluent**: AWS services: Amplify, Android SDK, Google APIs

**Intermediate**:

AWS services: EC2, S3, Simple DB.

Python: Flask, Django

JavaScript: Node.js

Databases: MariaDB, MongoDB

**Learning**:

Machine Learning: Model development with scikit-learn, TensorFlow, Keras. Data representation with matplotlib.

AWS: Model Training on Cloud Instances with AWS infrastructure, GAN training with AWS DeepComposer

# Experience

# Open Source Contributions

## [scikit-image: Image processing in Python](https://github.com/scikit-image/scikit-image/pull/4599)

Illustrated usage for natural sort algorithm by processing documentation in PR, which was successfully merged into master branch.

# Free Lancing

### Client: Credit4U (Startup): Fintech Android App

* Accomplished feature engineering by communicating with client to develop overall project requirements.
* Designed technical project architecture from client documents to create future roadmaps for development.
* Designed and redesigned UI mockups by using client input which led to painless delivery.
* Created app screens and developed Java backend code to deliver app functionality for serverless authentication and data storage.
* Developed and deployed Amazon Web Services as a serverless backend functionality which reduced cost of development to far below client expectations.
* Created a class to interface AWS functionality with the app while maintaining abstraction between app layers. This led to much easier debugging and reduced development time.
* Managed client communications to aid them in developing suitable business processes.

**Technologies used: Java, Android SDK and Google APIs, AWS Amplify, AWS SimpleDB, AWS S3**

# Key Projects

Project Name

Contribution

Accomplished X by implementing Y which led to z

**Technologies used:**

Project Name

Contribution

Accomplished X by implementing Y which led to z

**Technologies used:**

Project Name

Contribution

Accomplished X by implementing Y which led to z

**Technologies used:**

Project Name

Contribution

Accomplished X by implementing Y which led to z

**Technologies used:**

# Education

**Bachelor of Technology in Computer Science and Engineering**, CGPA:9.1/10, 2016-2020, from JIS University, Kolkata.

**Certifications** in Data Structures, Social Networks, Machine Learning, DBMS, Android development from NPTEL & InternShala.