Gaurav Chaddha

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LINKS

Github:// **GauravChaddha1996**

LinkedIn:// **chaddhag**

Medium:// **@chaddhag**

Twitter:// **@chaddhag1996**

EDUCATION

BIT MESRA | 2014-18

B.E. in Information Technology

Expected Jun 2018 | Ranchi, India

Cum. GPA : 8.78 / 10.0

CBSE CLASS XII | 2013-14

Kendriya Vidyalaya IFFCO Township

Bareilly, India

Percentage: 95.8%

CBSE CLASS X | 2011-12

Kendriya Vidyalaya IFFCO Township

Bareilly, India

Cum. GPA: 10.0 / 10.0

COURSEWORK

UNDERGRADUATE

Java Programming

Operating Systems

Database Management Systems

Design and Analysis of Algorithms

SKILLS

- Java • OOPS • Design Patterns
- Java 8 • Functional Programming
- SOLID Principles • MVP Architecture
- Android • RxJava
- Firebase • Google Play Services
- Material Design • UI Animations

Tools, Editors and OS:

- Git • Github
- Android Studio • IntelliJ IDEA
- Ubuntu • Windows • Nano
- Linux / Networking • MySQl

EXPERIENCE

INTUGINE TECHNOLOGIES | Motion sensing wearables

Software Engineer Intern | May 2017 – July 2017 | Bangalore, IN

- Worked on BLE connected motion sensing ring 'Nimble' and increased data transfer rate by 30X.
- Developed and implemented 'Point and control' and 'Custom gesture detection' algorithms using raw data of various sensors.
- Designed and developed robust architecture of the Nimble Android app.
- Developed gradle task of static analysis tools such as Checkstyle, FindBugs, PMD and Lint.

WITWORKS | Smartwatch OS development

Software Engineering Intern | May 2016 – July 2016 | Bangalore, IN

- Worked on smartwatch 'Blink' running 'Marvin', Android-based OS.
- Developed core apps for it such as fitness app with accurate step-counting algorithms and material UI, settings app with 'wake on twist' gesture and OTA updates feature, and dialer app with features to see contacts, make and receive calls and messages.
- Made a networking component for Witapp for core Blink apps and 3rd party apps.
- Decreased the latency for voice recognition feature using Bluetooth SCO.

ZUP | Offline payment app

Software Developer Intern | Jan 2016 – Apr 2016 | Ranchi, IN

- Reduced network latency, increased app responsiveness, implemented timed pattern lock, used short-lived security tokens, made transaction history feature and also obfuscated the code for release.

PROJECTS

RAKSHAK | Secure Email App

Apr 2017 - Apr 2017

A PGP end-to-end encrypted (AES + RSA) generic email client developed using standard mail protocols -IMAP and SMTP, Java Mail, Cryptography and Security API. It provides security from email service providers using encryption.

BITOTSAV | Official android app for Bitotsav

Feb 2017 - Mar 2017

Android app of cultural fest Bitotsav 2017 of BIT Mesra having features such as details of events, quick updates via push notifications, offline experience, entry-tickets, purchase of fest t-shirts, and alumni support.

CDS RECYCLER VIEW | Android recycler view library

Aug 2016 – Aug 2016

A RecyclerView library with built-in item-click and long-press listeners, load-more callback, and drag and swipe functionality. Uses ItemClickSupport, ItemTouchHelper class and Java Generics for providing functionality.

HACKATHONS

Jun 2017	Firebase Appfest	Developed 'LeadTODO', a developer tool to sync TODOs from IDE to issue tracking tools.
Apr 2017	Smart India Hackathon	Stood 2nd for developing Rakshak.
Mar 2017	Hack In The North	Developed 'Visio' to help visually impaired people feel and understand their social feed.