

Amit Kumar Upadhyay

Coder, Full Stack developer, Tech Blogger, Open Source enthusiast & always a learner

I love to play with technologies & try to learn new things every day. I'm good in Python, C, Java, C++, and JavaScript. I am very much interested in Data Structure & Algorithms and love to study them. I have decent experience in software development too. I love building things, making them scalable. I have made some software products which are present in the market. To know more about me and my projects please visit <http://binomial.me>

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🌐 binomial.me

🐙 github.com/amit-upadhyay-IT

📄 goo.gl/TgWjXw

WORK EXPERIENCE / INTERNSHIPS

Software Engineer I ClearTax

07/2018 – Present

Bangalore, India

Achievements/Tasks

- Working on one of the major product of ClearTax (cleartax.in). You will find more details on next page.

Edelweiss Financial (Intern) Node.js developer, Researcher

06/2017 – 08/2017

Mumbai

Achievements/Tasks

- Developed an optimized CRM system and moved dependency of CRM to open source platforms. And Increased the performance to 33x (33 times faster)

Freelancing Work Android Application - ClickIn

08/2016 – 09/2016

<https://play.google.com/store/apps/details?id=com.amitupadhyay.clickin>

Achievements/Tasks

- Designed & Developed android app which is being used by their customers

MY PRODUCTS ON PLAYSTORE

Touch Me | Color Shades (Game) (12/2016 – Present)

- An interesting game which is based on your reflexes (how fast do you react?), hand-eye coordination and visual stimulus.
- The game is completely designed and developed by me.
- <https://play.google.com/store/apps/details?id=com.amitupadhyay.touchme>

Kisan Kalyan | Farmer Welfare (03/2017 – 04/2017)

- The concept of this app is to provide all services related to farming under one roof.
- <https://play.google.com/store/apps/details?id=krishikalyan.aupadhyay.myapplication>

EDUCATION

Bachelor of Engineering(B.E) Army Institute of Technology

07/2014 – Present

7.46 CGPA

Branch

- Information Technology

SKILLS

.NET

Android

Firebase

Redis

MongoDB

Data Structures & Algorithms

Node.js

Git

MySQL

RabbitMQ

OPEN SOURCE CONTRIBUTIONS

1. Crypt-git (Make GitHub private) (09/2017 – Present)

a command line utility written in node.js which enables to work privately on your GitHub repo for Free. -> <https://github.com/amit-upadhyay-IT/crypt-git>

2. GetCountryCode (12/2016 – Present)

A library to get telephone country code in Android. Provides you API to work smoothly in your development.

3. GetLocationFast (04/2017 – 07/2017)

The fastest ever "displaying users current address" library available here -> github.com/amit-upadhyay-IT/GetLocationFast

4. Contacts search (05/2017 – 05/2017)

An Android library which fetches the contacts from mobile and allows to search for it. Link- <https://github.com/amit-upadhyay-IT/contacts-search-android>

5. StackOverflow Contributions

Made contributions to the community in Firebase (Top 5% badge), Android (Top 10% badge) and Java (Top 20% badge) -> www.stackoverflow.com/users/5411888/amit-upadhyay

6. Binomial.me (Technical Blog)

So this is Binomial an awesome platform to deliver tutoring services on, that one would actually love to use. Link: <http://binomial.me>

HACKATHON PROJECTS

Infosys Hackathon - 1st rank (09/2016 – 09/2016)

Secured 1st position, among 40 teams from different colleges.

Techgig Code Gladiators, By Jio (04/2017 – 06/2017)

Developed an completely secure offline transaction application. Secured 3rd rank among 8000 participants all over India.

PROJECTS...

Smart Pay (08/2017 – 11/2017)

An app capable of doing transactions in offline mode securely. Enabling merchants to offer alternate payment solutions to their customers to drive cashless transactions.

Online Study Portal

This application is written in Node.js using MEAN stack framework, excluding AngularJS. It was my mini project in my 5th semester. This is kinda knowledge sharing portal where one can share posts. <http://ourdbmspro.herokuapp.com/>

EDUCATION

XII (Senior Secondary), Science

CBSE Board (Kendriya Vidyalaya O.F Dum Dum, Kolkata)

04/2013 – 03/2014

84%

X (Secondary) [2012]

CBSE Board (Kendriya Vidyalaya O.F Dum Dum, Kolkata)

04/2011 – 03/2012

9.4 CGPA

PROJECTS...

Code Well (08/2017 – Present)

A beautiful and optimized android app in terms of size, user experience and design. This app contains in-depth solutions to problems based on different Data Structures and Algorithms.

draw-with-me (12/2017 – 12/2017)

Node.js socket based application for white board sharing, made using the socket.io library. Link- <https://github.com/amit-upadhyay-IT/draw-with-me>

CRM system

Developed an optimized CRM system, using Node.js, Redis DB, Lua and .. more at Edelweiss. Moved to dependency of previous CRM to open source platforms. Also increased the performance about 33x.

Parking App (10/2016 – 10/2016)

Developed an efficient solution for managing the parking lots for Infosys in hinjewadi, Pune. The software product involved Android app, IOT for doing some OCR and securely updating them on common server.

Techfest Event application

This application was used by participants of an event in our college Techfest. It was primarily developed for giving a Quiz which was screening for the event. Also it gives updates to the contestants. Link- <https://play.google.com/store/apps/details?id=com.amitupadhyay.ait.approach>

Touch Me(Game)

An interesting Game which is based on your reflexes (how fast do you react?), hand-eye coordination and visual stimulus. The game is designed and developed by me. Link- <https://play.google.com/store/apps/details?id=com.amitupadhyay.touchme>

Binomial

A Blog that provides in depth programming and technologies knowledge, know more about it here- <http://binomial.me/about/>

LANGUAGES

Python

C

Java

C++

JavaScript

C#

golang

FEW PROJECTS DONE IN CLEARTAX

E-verification of people IT returns.

- This feature enables our users on cleartax and taxcloud to know the e-verification status of their income tax return. Also, it recursively checks the status and communicate the result to the end users.
- Please talk me if you wish to understand the design and algo behind this.

Form 26AS parsing

- This is a pdf form which contains all TDS details. Wrote a parser in C# tested is against 10k+ PDFs with almost 100% accuracy.

Wrote a client on top of HTTP rest client & Migrated Email, SMS, WhatsApp messages to a this client

- We have a message sending service which exposes APIs for sending messages.
- I designed and wrote a client for this service. This helped clearing our product tech-debt issues because previously the messages sending process were very scattered and uses different libraries for thier purpose.
- I would really love to talk about the design of the client.

Referral on ClearTax

- This feature enables users to refer other people to do a e-filing on cleartax.in.
- Again, I would love to talk about its design.

Generating Income Tax return form (ITR1, ITR2, ITR3, ITR4)

- This is the backbone of our product. Each year govt. releases new ITR forms.
- I have written code for year 2019 ITRs to generated XML forms which gets submitted to the govt. for their successful e-filing.

CERTIFICATIONS

CodeChef Certified Data Structure & Algorithms Programme (03/2018 – Present)

link- <http://binomial.me/me/myccdsap.pdf>

ANDROID DEVELOPER (07/2016 – Present)

link- <https://www.edureka.co/lms/certificate/f63a34aaaa5d145872d826fad7609e7d>

HOBBIES/INTERESTS

Basketball

Table Tennis

Deep Learning

Blockchain