Yash Pratap

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PROFESSIONAL SUMMARY

Worked as software developer entrepreneur. Looking for opportunites in Android Application development.

WORK EXPERIENCE

1. Delhi Metro Traveler, Android Application Development   19/03/2019 - 19/05/2019

- Invented algorithms to find out various metro train paths, routes, nearby washroom and parking facilities efficiently in graph using a combination of Depth Limit Search and Dijkstra.
- Fetched data with SeleniumPy and optimized SQLite DB to load 60K entries from $O(N)$ to $O(\log N)$ to fetch out results faster.
- I made an earlier version of the same application during my final year of Engineering and did its marketing for 2-3 months and was able to attain a user base of 10,000+ customers but lost that due to key store issues.
- As of now I did the iteration of this app 12 times in past 3 years from scratch but failed to convert it into an UBER of travel agent as the cost of hiring a travel agent > the cost of travel itself in the Indian geographical context.

- In the process I got to learn the insights and best practices in android app development.
- I slowed down my new app's marketing so that I can focus on my new Project "Messenger App".

- Skills : Software Architecture, Java, SQLite, JSON, Testing (Espresso), VCS (Git), Firebase

- Play store link : https://play.google.com/store/apps/details?id=com.yash.dmrc
- code : https://github.com/yashp241195/DelhiMetro

2. Developed complete Management Solution for Goodways Fitness, Delhi 15/06/2018 - 20/07/2018

Requirement analysis to PHP based website : Freelancing
Failed to convert freelance projects into IT business due to the following reasons:

- Small and Mid scale business doesn't require much engineering optimizations due to hardware efficiency.
- Better to train employees on tools like Google forms, Excel etc for small/mid scale to prevent operation failure as cost of software operation and team management is very high

and small scale Business owners can't afford custom solutions. Only way to sustain business is to find clients
from countries having stronger economy. Infosys, TCS and other IT giant have clients from those countries which can afford custom solutions.

- Skills : PHP (core), MySQL (Normalization and DB Design), HTML, CSS, JS, Bootstrap, AJAX, skill acquired later Laravel PHP

- code : https://github.com/yashp241195/goodways-fitness

FORMAL EDUCATION

Bachelor Degree of Computer Science, NIEC, GGSIPU, New Delhi	70 %	08/2014 - 08/2018
CBSE Board Class XII	70 %	04/2013 - 03/2014
CBSE Board Class X	74 %	04/2011 - 03/2012

TRAININGS AND CERTIFICATIONS

- HCL CDC - Android App Development using JAVA   06/2016
- INTERNSHALA - Full Stack Web Development using PHP   06/2017
- KOTAK MAHINDRA – Insurance Sales Training   06/2018

ADDITIONAL SKILLS

Content Writing : Books

1. My Journey in the world of Computers   02/2019
   (90 pages E Book Comic Format- under development).
   Link https://github.com/yashp241195/JourneyInCSE

2. History of Physics with Yash   02/2018
   (30 pages - under development)
   To present and understand how Newton, Aristotle, Galileo etc approached towards the concepts of Physics and how they built their thought process to find new innovative ideas.
   Link https://github.com/yashp241195/PhysicsBook

Drawing and Graphics : Have keen interest in drawing and won some drawing competitions at school level. This interest got translated into UI, Graphic design for college society giving seminar on SVG to Unity 3D Game (JS) Development. Failed to convert it into full game due to loss of interest in game development.
Link https://github.com/yashp241195/unity3dsample

                                                          12/2016
Invented algorithms using partial differential equations and first order mid point approach for Hyperbola, parabola etc after getting inspired by Ellipse drawing algorithm which later turned out to be as an irrational approach since the B Splines and Beziers are more practical and efficient.
Link https://github.com/yashp241195/drawing

Tried to build algorithms Visualizer as well in JavaScript   08/2017
Link https://github.com/yashp241195/VisualizeJS

Extra :   12/2013

Tried to build Web development framework using C++ as I was not aware of existance of
languages like PHP and JavaScript for dynamic webpages due to difficulty in the internet
accessability in school and home. This was my first project which inspired me to build my
career in Computer Science.
Link https://github.com/yashp241195/others/tree/master/first

Book Reading and Documentaries :

Fav. Book : Elon Musk by Ashlee Vance, Crush it by Gary Vaynerchuk, Doing the Impossible
and Next Perfect Storm by Patrick Bet David, Alchemist Paulo Coelho, Bejamin Franklin.
Fav. Documentaries : Newton, Genius (Einstien), Edison, Robert Noyce, Steve Jobs, Bill Gates

PROFILES

GITHUB : https://github.com/yashp241195
ANGELIST : https://angel.co/yash-pratap-2
HACKERRANK : https://www.hackerrank.com/yashp241195