Archit Mathur

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EDUCATION

SKIT, JAIPUR
B.Tech., Computer Science
Aug 2015 - May 2019

MPS, AJMER
AISSCE 2015, Science
Percentage - 93.6
AISSE 2013
CGPA - 9.6

LINKS

LinkedIn:// **archit-mathur**
Github:// **achie27**
Codechef:// **achie27**

TECH USED

Languages
Python • C++• C
JavaScript •HTML/CSS
Frameworks
Tensorflow • OpenCV
scikit-learn • PyQt5
Express.js • React.js
Databases
MySQL • MongoDB
Tools
Git • Heroku

COURSEWORK

CURRICULUM
Database Management Systems
Operating Systems
Software Engineering
Data Structures and Algorithms
Computer Networks
Object Oriented Programming
Artificial Intelligence

MOOCS
Machine Learning
(by Andrew Ng)
Algorithms : Design and Analysis
(by Tim Roughgarden)
CS50x
(by David Malan)

COMMUNITIES

Hackathon Hackers • Kaggle
freeCodeCamp • Hacker News
Stack Overflow • devRant
TopCoder • CodeForces • CS50

EXPERIENCE

CCEXTRACTOR | Google Summer of Code, 2018
May 2018 – August 2018
- Worked on making an open-source cross-platform software, FabBits, that can detect certain useful bits from videos.
- The use-cases include, among others, finding actor-specific scenes, jokes in sitcoms, goals in soccer matches, and action sequences in movies.
- FabBits can be used for cataloging the gigantic amount of digital media which by itself is unusable.
- Wrote blog posts detailing the underlying concepts and progress.

IIT BOMBAY | Software Development Intern
May 2017 – July 2017
- Worked in a team of two to implement a platform for teachers to gamify school-level curriculum.
- Teachers could use various pre-built game scenarios and fit different questions/concepts to maximize students' learning in a fun way.
- Leveraged game statistics to find students' performance in different areas for teacher evaluation.
- Stood 3rd in the selection competition by making eight, high quality animations using Three.js for visualizing curricular experiments.

PROJECTS

WHATNEXT | Machine Learning + Web
Dec 2017 | Motivation : Too many advices on what to learn next
- Recommends people what to learn next based on what they already know and how their learning curve was
- Takes into account the user's naivety and how most developers in the community proceeded in similar situations

INDRASEYE | Machine Learning | Team project
Dec 2017 @ Rajasthan Hackathon 3.0 | Motivation : Reducing casualties
- Detects traffic accidents from a (CCTV) video feed
- Notifies the nearest hospital and police station about the same

NOTESORT | Machine Learning
Oct 2017 | Motivation : Uncluttering and managing plethora of class notes
- Classifies handwritten notes based on their subjects
- Achieves accuracy in the high 70s with SVM and RNN

BLOBCLOUD | Web
Aug 2017 | Motivation : Saving new discoveries across all devices
- Saves web files directly to user's cloud storage (Drive, Dropbox)
- Sends an email notification on transfer completion or error

OTHER

- Trilingual in Hindi, English, and Japanese
- Ranked 807 worldwide in International English Olympiad, 2015
- Worked part-time on Freelancer and Amazon MTurk in 2016