

Archit Mathur

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EDUCATION

SKIT, JAIPUR

B.TECH., COMPUTER SCIENCE
Aug 2015 - May 2019

MPS, AJMER

HIGH SCHOOL, SCIENCE
Percentage - 93.6

LINKS

LinkedIn:// [archit-mathur](#)

Github:// [achie27](#)

Codechef:// [achie27](#)

SKILLS

LANGUAGES

Python • C++ • C

JavaScript • HTML/CSS

FRAMEWORKS

Tensorflow • OpenCV

scikit-learn • React.js

Express.js • Socket.io

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

- Working on making a cross-platform software, FabBits, that can detect certain interesting bits from videos.
- The use-cases include, among others, finding actor-specific scenes, detecting action scenes, getting jokes from sitcoms, and segmenting goals from soccer.
- Will be writing weekly blog posts detailing underlying theories and progress once the programming period starts.

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 - Sep 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