ARCHIT MATHUR
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EXPERIENCE

Google Summer of Code, CCExtractor
April '18 - Aug '18

- *Developed an open-source and cross-platform software that catalogues video content*
- *Use-cases include goals in soccer matches, action scenes, actor-specific scenes in movies, and others*
- *Read, understood, and implemented 11 research papers and referred to more than 25*
- *Wrote blog posts detailing the underlying concepts and progress*

Software Development Intern, IIT Bombay
May '17 - July '17

- *Worked in a team of two and implemented a platform for teachers to gamify school-level curriculum*
- *Teachers could use pre-built game scenarios and fit concepts to maximize students' learning in a fun way*
- *Game stats were leveraged to find students' performance in different areas for teacher evaluation*
- *Achieved 3rd AIR in the selection competition by making eight high-quality animations using Three.js*

PROJECTS

whatNext | Deep Learning + Web

- *Built a DL model with Tensorflow that recommends users what to learn next based on what they know*
- *Designed it so that it takes into account the user's naivety/expertise and their learning curve*

IndrasEye | Deep Learning | Team Project @ Rajasthan Hackathon

- *Developed the core engine for a traffic accident detection system using OpenCV and Tensorflow*
- *Worked with motion estimation, object detection, long short-term memory et cetera*

blobCloud | Web

- *Created a SPA in React that can save web files directly to user's Google Drive account*
- *Used Node, Express, & Mongo for backend that maintains history and notifies user about transfer status*

noteSort | Natural Language Processing

- *Classifies handwritten notes based on their subject, achieving accuracy in the high 70s*
- *Handled OCR, text preprocessing, and model design with PyTesseract, NLTK, and Tensorflow*

EDUCATION

Swami Keshvanand Institute of Technology, Jaipur
Aug '15 - May '19

- *Pursuing Bachelor of Technology in Computer Science*
- *Major Courses - Data Structures & Algorithms, DBMS, Operating Systems, Compilers, OOP*

SKILLS

Languages : Python , C++ , C , JavaScript , HTML , CSS
Frameworks : Tensorflow , OpenCV , Scikit-learn , PyQt5 , Express.js , React.js , Puppeteer
Databases : MySQL , MongoDB
Tools : Git , Bash , Heroku , GCE

OTHER

- MOOCs taken : Harvard's CS50, Stanford's Algorithms : Design and Analysis & Machine Learning
- Ranked 807 worldwide in International English Olympiad, 2015
- Worked part-time on Freelancer and Amazon MTurk in 2016