

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 to implement 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

- Recommends people what to learn next based on what they already know and their learning curve
- Takes into account user's naivety/expertise and how most developers proceeded in similar situations

IndrasEye | Deep Learning | Team Project @ Rajasthan Hackathon

- Detects traffic accidents from a (CCTV) video feed and notifies the nearest hospital and police station
- Uses motion estimation, object detection, long short-term memory et cetera

blobCloud | Web

- SPA that can save web files directly to user's Google Drive account
- Notifies the user about transfer completion or error and maintains history.

noteSort | Natural Language Processing

- Classifies handwritten notes based on their subject with accuracy in the high 70s

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

EDUCATION

Swami Keshvanand Institute of Technology, Jaipur

Aug '15 - May '19

- Pursuing Bachelor of Technology in Computer Science.
- Co-head of Algorist, a Harvard's CS50 styled programming club