

## 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.
- Co-head of Algorist, a Harvard's CS50 styled programming club

## 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