David Jennicson

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EDUCATION

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
B.E in Electronics and Computer Science
January 2021 -Present | Mumbai
Fourth Year
Cum. CGPA: 8.17

SIES COLLEGE OF ARTS SCIENCE AND COMMERCE
Mumbai
Class 12 HSC
AGGREGATE :62.77%

LITTLE ANGELS HIGH SCHOOL
Class 10 SSC
AGGREGATE: 78.80%

SKILLS

Programming
Advanced Java • C++ •Advanced Python • Javascript •C •PHP
Markup Languages
HTML •CSS
Frameworks
React •Flask •SpringBoot •Pytorch •Tensorflow
Databases
PostgresSQL •MySQL •SQLite •MongoDB

LINKS

Github: /DavidJennicson
LinkedIn: /DavidJennicson

ACHIEVEMENTS

•Participated in the Kavach India Hackathon and Smart India Hackathon and led the team for the nomination to the national level.
•Selected as one of the top 21 student to represent the college in the TIAA Hackathon

VOLUNTEERING

•Contributed to the Rotaract Club of SIES College as a Digital Communications member.
• Won the best rotaract member award for the club.

EXPERIENCE

JP MORGAN FORAGE VIRTUAL INTERNSHIP (AGILE DEVELOPMENT)
- Acquired a solid understanding of agile development principles and their significance in software development.
- Developed expertise in writing user stories, creating product backlogs, and executing sprints for efficient software development.

PROJECTS

KISSANMART: FARMERS E-COMMERCE WEBSITE
- Developed and implemented the backend infrastructure and database using MongoDB and Django, ensuring smooth data management.
- Built a user-friendly and interactive frontend utilizing React.js.
- Implemented a recommendation system, review sentiment analysis, and chatbot functionality for enhanced user experience.

HATEFUL MEME DETECTION
- Utilized a Detectron2 model for accurate facial recognition and detection of various entities within the memes.
- Constructed a knowledge graph on a small scale and leveraged it for inferencing purposes, in conjunction with a Sentence Similarity Transformer, to enhance contextual understanding.
- Implemented a BERT (Bidirectional Encoder Representations from Transformers) model for classification tasks, achieving a commendable accuracy of 72 %.

CYPHERLOCK :SECURE FILE STORAGE WEB APP
- Developed the website backend using Java Spring Boot framework
- Enhanced file encryption and added interfile conversion functionality for improved security and versatility.
- Enhanced user account security with RockYou-based password breach detection and password entropy checks

EASYKYC : A EKYC API
- Developed an advanced eKYC API/Library capable of processing Aadhaar cards, PAN cards, driving licenses, and other government-related documents.
- Incorporated image processing capabilities to extract photos from the uploaded images and store them in an SQLite3 database for further analysis.
- Utilized a finetuned YOLO v8 model for precise document region detection and classification, complemented by PyTorch-based EasyOCR for optical character recognition tasks.

PUBLICATIONS

UNVEILING HATE: MULTIMODAL PERSPECTIVES AND KNOWLEDGE GRAPHS (IN PRESS)
- Published research paper in Springer Lecture Notes in Networks and Systems in 2023