

Nishanth Artham

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EDUCATION

- **Chaitanya Bharathi Institute of Technology** Telangana, India
Bachelor of Engineering - Information Technology (IT); GPA: 9.45 Nov 2020 - Mar 2024
Courses: Operating Systems, Data Structures, Analysis of Algorithms, Machine Learning, Networking, Databases
- **Sri Chaitanya Junior College** Telangana, India
Board Of Intermediate Education; Percentage:97.7 June 2018 - Mar 2020

SKILLS SUMMARY

- **Languages:** C, Python, Java, C++, HTML, JavaScript, SQL, MongoDB.
- **Miscellaneous:** GIT, Linux, Swagger UI.
- **Frameworks/Libraries:** ReactJS, ExpressJS, Sklearn.
- **Soft Skills:** Event Management, Tutoring.

EXPERIENCE

- **IIIT Hyderabad** Hyderabad
Research Intern May 2022 - Nov 2022
 - : Worked on two different NLP techniques **Layout parser API** to parse each word in an uploaded image for 14 different languages and **OCR API** to display recognized words.
 - : Increased the **Docker containers** to escalate the user request acceptance rate by 4 times.
 - : Provided user-friendly interface through **Swagger UI** and modified request response Schema using **Pydantic** python package.
 - : Used **OpenCV** to display the printed image in form of bounding boxes.
- **Zummit Infolabs** Remote
Web Developer Intern Oct 2021 - Jan 2022
 - : Developed the website's Front-end using **Reactjs** and fetched data from the Back-end.
 - : Designed wireframe for websites in **Figma** and later implemented them using HTML, CSS and JS.
 - : Followed **Agile Scrum** Methodology to design and implement web Pages during sprints and incorporate changes given by scrum master and team lead during scrum meetings.
- **Ed Spread** Remote
Co-Founder and Web Developer Sep 2021 - Present
 - : Refactored **Ed Spread's** Home Page and Events Page using Reactjs.
 - : Managed a team of 2 for maintaining website that includes uploading content after completion of bootcamps and updating components of website.
 - : Tutored Web Technologies such as HTML, CSS, JS and Reactjs for **1.2k** students.

PROJECTS

- **OCR API specs - Character Recognition tool (NLTM, Computer Vision) — TensorFlow, Flask, OpenCV:**
 - : Modeled Layout Parser using **Doctr** model to parse each word in an image and send it to different versions of OCR to recognise each word.
 - : **Layout parser** generates **JSON** file that includes four attributes determining coordinates of the word in the image and OCR generates processed word, then using **Flask** as a backend the uploaded image is reconstructed using the generated JSON file and recognised word.
 - : The recognised words are placed based on the position of the original words thereby generating a printed image of the handwritten text.
- **Activity Points Tracker — ReactJS, ExpressJS, MongoDB :**
 - : Devised a Tracker to maintain 1500+ CBIT students Activity Points using **MERN Stack**.
 - : Sustained the Session Management with **JWT Tokens** and Authentication using **PassportJS** and **BcryptJS**.
 - : Digitalised the manual evaluation of documents which decreased the Human intervention.

ACHIEVEMENTS

- Mentee at **Amazon ML summer school** program (2022), qualified out of 20,000+ students - 2022
- Qualified in Code For Good 2022 hackathon hosted by **JP Morgan Chase & CO** - July 2022
- Felicitated with a **Silver medal**, for academic excellence (B.E 1/4)
- Team Member of **Google Developer Student Clubs**, in ML domain
- Join Secretary of **COSC** (CBIT open-source community) at CBIT

CERTIFICATIONS

- **Machine Learning Course** Certificate
Amazon ML Summer School
- **TCS iON Carrer Edge - Young Professional Course** Certificate
TCS iON Carrer Edge