Antriksh Misri

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GitHub | Linkedin | Portfolio

EDUCATION

MAHARASHTRA INSTITUTE OF TECHNOLOGY   July 2018 - July 2022
Bachelors Computer Science   Pune, India
undefined: 8.6

EXPERIENCE

HELPSHIFT | Software Developer I   San Francisco, USA | Jul 2022 – Current

- Reduce Image load Time: Managed to reduce image load time (LCP) on all HelpCenters by 83%. Increased HelpCenter performance metric by 28% while reducing all asset sizes by 98%. This was done by performing upload time optimizations as well as switching image sources based on screen size. Fallback logic was also added to make sure broken image sources are replaced with working ones.

DISECTO | SDE Intern   Remote | Dec 2021 – Jun 2022

- SQL Query Parser: A tool written in GoLang to parse a SQL query, validate its syntax, and generate a query struct with the desired tokens, joins, and sub-queries.
- Diffix Elm: A GoLang implementation of the Diffix anonymization framework aimed to suppress private entries from SQL query results and preserve the privacy of the database.
- Patcher System: A python package to manage new patches/updates in an already distributed application. Based on a publisher/consumer architecture, a publisher can publish new patches using the Command Line Interface, and the consumer receives the updates in real-time.
- Windows Data Discovery: An application to identify if a client modified a file in a windows machine in real-time. Implemented a system for thin-client architecture that alerts the admin if a client changes any file on a windows system; the admin can monitor changes happening in real time.

PYTHON SOFTWARE FOUNDATION | Student Developer Jammu and Kashmir, India | May 2021 – Aug 2021

- Worked as a student developer for Python Software Foundation sub-organization FURY under the Google Summer of Code 2021 event. Wherein worked on various UI elements/ Layout Management Classes with a custom UI engine. 7000+ students applied only 1286 got selected.
- View pull request here https://github.com/fury-gl/fury/pulls?q=is%3Apr+author%3Aantrikshmisri+

SCI COM SOFTWARES | Project Intern   Jammu and Kashmir, India | Feb 2021 – Apr 2021

- Vein Extraction from Real-Time Video Feed: A tool to extract veins from a real-time Infrared video feed backed by parallel processing and efficient algorithms. Other features include dynamic Region of Interest identification, mask extraction from segmented regions, etc.
- Skewed/Cropped Text Detection: A tool to detect skewed(rotated by some angle)/cropped text from real-time/pre-recorded video of a page and generate an instruction for the camera to compensate for the skew.

SKILLS

Programming Languages	Python, Javascript, GoLang
Libraries/Frameworks	ReactJS, Redux, Reflux, ExpressJS, Electron.JS, Tailwind, Bootstrap, Sass
Tools / Platforms	Firebase, Netlify, Heroku, Webpack, Gulp, EsLint, Jira, Confluence, Git, Github, Gerrit
Databases	MongoDB, PostgreSQL, Firestore

PROJECTS / OPEN-SOURCE

CHECKPOINT - CREATE LOCAL RESTORE-POINTS | LINK Python, Sphinx, Pytest, React.JS, Electron.JS

Checkpoint is a tool that helps you to create restore points for your project. Unlike other tools like git, checkpoint makes the whole process as simple as a few clicks. Plus, checkpoint has an intuitive/simple yet modern-looking GUI that comes prepackaged with the tool. Currently, 2000+ users have downloaded this tool.

JOURNI - JOURNAL KEEPING APP | LINK   React, Redux, Redux-Thunk, Electron, Firebase, Firestore

Journi is a desktop application that allows users to manage their journals. This application enables users to write/modify daily, weekly and monthly journals. Some features of Journi include different types of journals like daily/weekly/monthly, a rich text editor to write complex and expressive journals, simple yet modern-looking UI.

FURY (FREE UNIFIED RENDERING IN PYTHON) | LINK   Python, reStructuredText, VTK, Pytest

FURY is a software library for scientific visualization of 2D/3D data in Python. I developed various UI elements for the custom UI engine. Also worked on various Layout Management Classes to allow placing UI widgets in a certain arrangement.

HONORS & AWARDS

- Selected as a student developer in Google Summer of Code 2021
- Mentored 50+ students in Girlscript Summer of Code as a Mentor
- Beta Microsoft Learn Student Campus Ambassador
- Project Admin at Script Winter of Code'2021.
- Project Admin at Girlscript Summer of Code'2022. 20+ students worked on my project
- TopCSSGallery awarded site of the day to my portfolio website. 100+ websites competed alongside.