Portfolio

Contact

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India,Bangalore

Education

2020
Master of Computer Application
Presidency College

2018
Bachelor of Computer Application
Izee College

Awards

- **Outstanding award Received by D. Sivanandan(Retired DGP of Maharashtra)   -2021-2022**
- **Appreciation award by the client CNA insurance**

Skills

- **HTML5, CSS3, SCSS, JAVASCRIPT**
- **Node.js, Express.js, Socket.js**
- **React ,Angular >14**
- **Mysql, Postgresql, Mssql**
- **Docker, Docker-compose, Concourse.**
- **Azure Repos, Git, Gitlab**
- **Postman, Dbeaver, Jira**

Hobby Projects

- **Instagram automation using Puppeteer.js.   link**
- **Multi-player game using socket.js ,html ,css,javsacript. link**
- **Rtsp2hls node package to convert rtsp to HLS stream using FFMPEG. link**
- **Cab booking app using node.js,angular,twillio. link**
- **A template resume builder built using angular and pdf.js. link**

Naveen Kumar s
Senior Software Engineer

A passionate full-stack developer with 3 years of experience who brings creative ideas and designs. Looking for opportunities to try new technologies and grow the business with my technical skill set.

Experience

V-Labs Private Limited(SLK)
Full Stack Developer   **2019 - Present**

Triage Portal (CNA Insurance)

Description :

A user-friendly web app designed for insurance companies to review AI-extracted data from documents on the email. It highlights important information like policy numbers and claim amounts, helping users quickly spot errors. With this portal, insurance professionals can easily verify data accuracy and ensure smooth operations.

Key Contributions:

- Built a web-based verification portal for efficient review and validation of extracted data, resulting in a 90% reduction in client time
- Implemented file viewing support for images, PDFs, Excel, Word files, and emails within the portal, reducing manual email review efforts by 70%.
- Integrated advanced email parsing into the portal for seamless frontend display, empowering effortless decoding of emails.
- Enabled data highlighting in the file viewer, effectively reducing user effort during data verification.
- Enforced multiple field validations with diverse business logics, resulting in a 25% reduction in data entry errors.
- Implemented image and PDF cropping capabilities, utilizing file name, page number, and coordinate of bounding box. This enhancement significantly reduced manual annotation efforts by 20% while improving the precision of the AI engine.

Tech Stack: React js, Node js ,Express ,Postgresql ,Docker ,okta

Perimeter Watch System (Finolex Industries)

Description :

A comprehensive dashboard that provides insights into the AI engine's video processing capabilities. PWS is designed to detect human presence within specified regions of interest (ROI) in the video. In the event of any intervention within the ROI, the dashboard instantly alerts security guards, enabling them to promptly investigate and resolve the incident.

Key Contributions:

- Implemented JWT-based authentication and authorization pipeline for secure access control, enhancing application security.
- Enforced role-based authorization for enhanced access control.
- Live Streaming Page, where you can view real-time camera feeds processed by the AI engine, complete with recognitions. Stay connected and monitor everything effortlessly.
- Implemented real-time notifications using Socket.io to monitor AI engine alerts for any interventions occurring within the specified regions of interest (ROI).
- Developed a Video Streamer utilizing FFmpeg to convert RTSP streams to HLS format, enabling seamless streaming of RTSP streams in browsers
- Using SVG, we simplified ROI selection by enabling users to draw shapes on camera feeds using a mouse. These coordinates are then utilized by the AI engine for accurate video processing
- Statistics Page, offering users detailed insights into AI engine recognition over a specified time period. Gain valuable information on the number of detections, false detections, and more.

Tech Stack: Angular 14, Node js ,Express ,Mysql ,Socket.js ,Docker