

TEJONIDHI S

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WORK EXPERIENCE

Software Developer, Wizzybox Pvt Ltd

Oct 2024 - Present

- **Lead Developer – Internal Projects | February 2025-Present**
 - Leading and guiding multiple internal projects, overseeing development, architecture decisions, and best coding practices. Mentoring and supporting team members, providing technical direction, and ensuring high-quality code delivery.
 - Collaborating with stakeholders to define project goals, requirements, and timelines while ensuring smooth execution.
 - Actively contributing to backend and frontend development using Ruby on Rails, Python, Reactjs and Nextjs.
 - Driving process improvements and implementing best practices to enhance code efficiency, maintainability, and scalability.
- **Senior Software Developer (Client Location – CreditWatch) | October 2024 – February 2025**
 - Served as the second senior-most developer in a small, high-performing team of four, providing technical guidance and mentorship to junior developers.
 - Took end-to-end ownership of a critical module, overseeing its design, development, and deployment, ensuring scalability, performance, and maintainability.
 - Collaborated closely with clients and stakeholders, gathering requirements, troubleshooting real-time issues, and implementing optimized solutions to enhance system functionality.
 - Worked directly with clients to diagnose and resolve complex production issues, improving system reliability and user satisfaction. Gained hands-on experience with AWS, assisting with cloud deployment tasks, infrastructure setup, and troubleshooting.
 - Contributed to Python-based backend enhancements, working on integrations and automation scripts to improve system efficiency and performance.

Software Developer- Rikoouu Technologies, Remote

June 2022 – Jan2024

- Led the development and maintenance of scalable, secure APIs for an e-commerce platform (BeelineConnect) and played a key
- role in migrating the application from Rails 5 to Rails 6, ensuring a smooth and reliable transition.
- Collaborated closely with frontend developers to integrate React components, aligning backend services with frontend
- requirements, and consistently applied Test-Driven Development (TDD) practices to ensure robust feature development.
- Leveraged Ruby on Rails and Python-Django to enhance the tech stack's versatility, while also documenting API usage and
- guidelines, promoting seamless third-party integrations and fostering a culture of knowledge sharing within the team.
- Implemented best practices in RESTful architecture, significantly improving the modularity, readability, and maintainability of the
- backend codebase, which enhanced overall system performance.

- Mapping business objective to existing system, determining gaps/bottlenecks and visualizing requirements
- Addressing clients' issues and mapping business tractions to the proposed application and products.
- Finalizing technical/function specifications as well as designing, developing, testing, Trouble shooting and debugging of the
- applications. Develop the project using front-end technologies like HTML, CSS, JS while using PostgreSQL as database.
- Providing post-implementation, application maintenance and enhancement support to the client with regard to the product/software application.

EDUCATION

Master of Technology, Data Science and Machine Learning Dec 2021 - June 2024
PES University, Bengaluru

- Major in Data Science & Machine Learning
- Final CGPA: 8.5

Bachelor of Engineering, Information Science & Engineering Aug 2015 - June 2019
Visvesvaraya Tech University

- Final CGPA: 6.1

TECHNICAL SKILLS

- **Programming Languages and Scripting:** Ruby, Python, RESTFUL API
- **Testing:** Rspec, TDD
- **Web Development:** HTML, CSS, JavaScript, Reactjs, Next js
- **Database:** Postgresql, Mysql, MongoDB
- **Operating System:** Linux, MAC, Windows
- **Version Control:** Git, BitBucket

ACADEMIC PROJECTS

Age Estimation and Gender Recognition using Deep Learning

June 2024

- Utilized the UTK FaceDataset, which contains over 20,000 facial images with ages ranging from 0 to 116. A subset was created by selecting 100 images per age for ages up to 60 years, with an additional step of randomly darkening 30% of the images by a script.
- Two deep learning models were employed: a PreTrained VGG16 model and a custom model specifically built for this dataset.
- Both models achieved over 85% accuracy in predicting gender from the facial images.
- The PreTrained VGG16 model yielded strong results in age prediction across the entire age range. The custom model performed well for ages up to 60, with an accuracy of ± 2 years, but the accuracy declined beyond this range.

Authentication Using Face Recognition Using Deep Learning

Dec 2023

- Developed a face detection algorithm aimed at accurately detecting and locating faces within images, ensuring real-time operation for seamless authentication. The LFW (Labelled Faces in the Wild) dataset was used for training, while a custom user-created dataset was utilized for real-time detection via webcam.
- Employed multiple models including OpenCV with Dlib, Facenet, and Siamese Network, with each model's dataset split into 70% for training and 30% for validation and testing.
- Achieved strong real-time detection accuracies, with OpenCV using Dlib at 92%, Facenet at 90%, and Siamese Network at 62%.