Lenish K J

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kjlenish.github.io/Visit-my-Portfolio

Profile Summary

Dedicated Software Engineer with expertise in **Python**, **Django**, **PySpark**, **HTML**, **CSS**, and **SQL**. Skilled in web application development, data engineering, and file parsing. Experienced in agile methodologies using Jira and Atlassian, with a strong background in **development**, **testing**, and **deployment**. Proven ability to deliver high-quality solutions in dynamic settings, engage in adaptive learning, and collaborate with cross-functional teams

Experience

Software Engineer – Flytxt Mobile Solutions Pvt Ltd, Thiruvananthapuram, Kerala   Jan 2023 – Present

- Developed applications for handling large datasets and utilizing PySpark and Pandas for ETL tasks, processing around **1 TB of data** monthly
- Utilized PySpark Data frames and RDDs to clean and transform data, ensuring high accuracy rate in data quality and consistency
- Extracted data from SQL databases and Hadoop Parquet files and parsed and processed files in CSV and TXT formats, generating **over 25** detailed daily and monthly reports for business analysis
- Developed small-scale **RESTful APIs** to enhance the existing application's performance and resource management
- Rebuilt and upgraded 20+ existing small-scale applications to latest version, achieving **15%** increase in performance with reduced resource consumption
- Implemented version control and collaborative practices with Git, ensuring systematic versioning, collaboration, and code management
- Applied agile methodologies using Jira and Atlassian for phase-to-phase development and collaborated with different teams

Python Machine Learning Intern – Kakunje Software, Mangalore, Karnataka   Apr 2022 – May 2022

- Completed a one-month internship focused on foundational machine learning concepts and applications
- Developed a Python application that assists farmers in optimizing crop selection for yield improvement
- Created a predictive model with an 87% accuracy rate for forecasting customer churn, leading to actionable insights and improved retention strategies

Skills

- **Technical Skills** – **Python, Django, PySpark, HTML, CSS, Bootstrap, JavaScript, REST API, SQL, PostgreSQL, SQLite, ETL, ORM, Data parsing**
- **Software/ Tools** – Unix, Windows, Docker, Hadoop, Git, Bitbucket, Jira, Postman, Chronos, Mesos, Marathon, JSON, XML
- **Soft Skills** – Problem-solving, Critical thinking, Adaptability, Agile methodology, Cross-team Collaboration, Time Management
- **Achievements** – Django Programming by Mindluster, SQL Essentials Boot camp by LetsUpgrade, Python for Machine Learning by Great Learning

Projects

E-Commerce Application   Full Stack

- An online shopping platform using Django where users can create their account, browse through variety of products, view and add items to their shopping cart, view orders and add reviews. Users can checkout the items in their cart and make the payments through Razor pay.
- Technologies – Python, Django, HTML, CSS, Bootstrap, JavaScript, SQLite

- Project link – github.com/kjlenish/Django-Ecommerce-Application

Movie Blogger Application Full Stack

- A dynamic social media web app using Django built mainly for movie lovers where user can create their account, add blogs regarding movies and get updates and details of movies
- Technologies – Python, Django, HTML, CSS, Bootstrap, JavaScript, SQLite
- Project link – github.com/kjlenish/MovieBlogger-Django

Notes Application Back-end

- A RESTful API for a note taking application. The API will allow users to register, login and perform basic CRUD operations (Create, Read, Update, Delete) on the notes. The user can also share their notes with the other users
- Technologies – Python, Django, SQLite
- Project link – github.com/kjlenish/Notes-Application

Online Shopping Hub Front-end

- A responsive static website for online shopping and product promotion. The website features a home page, multiple sections to showcase the products/ services offered, a subscription section to fetch the name and email ID of customers, and a location section that uses the Google Maps API to display the location of the store
- Technologies – HTML, CSS, Bootstrap, JavaScript
- Project link – github.com/kjlenish/level4

Deaf Chat Using Convolutional Neural Network Machine Learning

- A Python application that can be used by deaf individuals to chat with other people. The application uses Indian sign language in its database, recognizes the gestures and converts it to text with the help of CNN
- Technologies – Python, Streamlit

Education

Visvesvaraya Technological University (VTU), Karnataka Aug 2018 – July 2022

- **Bachelor of Engineering** , Information Science and Engineering
- GPA – 6.83/10

Sanjos Senior Secondary School (CBSE), Kerala June 2016 – March 2018

- **Higher Secondary** , Computer Science
- Percentage – 74.2%