

LEKSHMI V P

@ lekshmivp.tv@gmail.com

+91 94951 75948

<https://www.linkedin.com/in/lekshmi-vp/>



Personal Statement

As a full stack developer, I bring technical expertise and creative problem-solving skills to the table. With experience in front-end and back-end development, I deliver complex projects on time. I offer the company skills in developing scalable, secure, and high-performance applications and the ability to collaborate with cross-functional teams and communicate technical concepts. I seek a company that values innovation, creativity, and continuous learning and provides opportunities for professional growth.



Skills

- Python, JavaScript, TypeScript, C++
- Django, Numpy, Flask, Pandas
- HTML, CSS, Bootstrap, ExpressJs, React, NodeJs
- Data visualization - Seaborn, Matplotlib, Chartjs, Plotly, Tableau
- MySql, PostgreSQL, MongoDB
- ML & DL - TensorFlow, PyTorch, Scikit-learn, Keras
- Natural Language Processing (NLP) - SpaCy, NLTK
- Image Processing - OpenCV, dlib
- Software Simulation - Monte Carlo
- MS-Azure, AWS, Postman API, Git
- IDE - VS Code, Pycharm, Colab, SublimeText OS - Ubuntu, Windows
- MS - Excel, MS-office, LaTeX coding
- Fast Learner, Adaptable to New Environments and Quick to Grasp New Concepts



Experience

Spacelabs - Fullstack Software Simulation Engineer

Nov/2022 - Present

Working on web-based user interface, focusing on API development while also handling both back-end and front-end development.

JavaScript, TypeScript, React, MySql, Pandas

Utilizing Python and its libraries, such as Django, C++, Matplotlib, and chart.js, to develop algorithm designs and create user-friendly visualizations for 2D and 3D graph plots.

Porting data to tables and consoles and utilizing software simulation and trajectory optimization of Launching vehicles using Python.

6DOF Realtime Simulation, Monte Carlo Simulation, Control and Sensors Simulation
Navigation and Guidance

● **Spotix - Full Stack Developer**

Jan/2021 - Nov/2021

Designed responsive UI screens using HTML, CSS, Bootstrap framework, and JavaScript. Developed backend Rest APIs using Python and ensured their seamless integration with front-end applications.

Familiar with TypeScript for code quality and maintainability.

Worked extensively with Mongodb, Express.js, React, and Nodejs API development to deliver complex projects.

Utilized Postman to design, build, and test APIs to ensure they met the required specifications.

Completed FullStack Developer Internship and Continued working.

● **Technopark - Jr. Software Developer**

Sep/2019 - Dec/2020

Helped design and implemented functional requirements for API projects.

Built efficient back-end features using Python and Django.

Integrated front-end components into web applications.

Managed testing and bug fixes and prepared technical documentation.

Implemented software enhancements and suggested improvements.

Utilized code versioning tools such as Git to manage code changes.

● **Manorama Horizon - Subject Matter Expert (Concurrent)**

May/2019 - Mar/2020

Worked as a Subject Matter Expert in Physics, Computer Science, and Mathematics.

Developed well-explained solutions (in step-by-step manner) for unsolved end-chapter exercises in various formats and boards.

Created code notes including mathematical formulas using LaTeX coding.

Reviewed the content created by other content developers or SMEs and guided them in preparing high-quality content.

Worked with LaTeX coding and Microsoft Excel.

● **Technopark - Android Developer Trainee**

Aug/2018 - Apr/2019

Designed and built advanced applications for the Android platform.

Learned Android development and worked with cross-functional teams to define, design, and ship new features.

Worked on bug fixing and improving application performance.

Continuously discovered, evaluated, and implemented new technologies to maximize development efficiency.

Developed applications using Java and SQL.

● **Freelance Project - Jr. ML Developer (Concurrent)**

Sep/2020 - Feb/2021

Project - Detection and Automatic Registration of Vehicles with RPI

My role in the project included: Developing the trigger section which observed incoming events and cropped the vehicles and their number plates.

Saving the vehicle models and their details in one directory and the number plate details in another directory.

Utilizing various tools and libraries such as Python, Numpy, Flask, OpenCv, Skimage, Matplotlib, Mobile net.SSD-caffe model, and Tensorflow to complete the project successfully.

This project enabled me to gain experience and improve my skills in machine learning, computer vision, and software development.



Achievements & Awards

- Guvi Grant Event for Developers Completed and Certified
- Guvi AI for Women Event Completed and Certified
- AI Classroom Series with MS-Azure Completed and Certified by Microsoft
- Completed Python Developer Course and Full Stack Developer Internship
- Got Professional Degree Scholarship during the College Period 3500 Rs / M



Qualification

- Data Analysis with Python
- Machine Learning with Python
- JavaScript, React and TypeScript
- B.Tech Computer Science and Engineering (2018)
University College of Engineering, Karyavattom, TVM
- Higher Secondary (2013)
SNV GHSS Kadakkavur, TVM



Activities

- Attending TensorFlow Zero to Mastery Course
- Attending AWS , Data Visualization with Python, Deep Learning with PyTorch
- Attending Technical Events Conducted by Microsoft and Others
- Solving Coding Challenges on HackerRank and Coding Platforms



Languages

- English (Professional Fluency)
- Malayalam (Native Language)
- Tamil (Speak)
- German (B1 level)



Interests

- Blogging
I have been running two blogs, where I write about Software development and Emerging Technologies and other one is personal.
- Reading
My recent favourites are 'An autobiography, My Experiments with Truth' and 'Sapiens'.
- Dance & Kathakali
I have been practiced various forms of Dance, Kathakali and have performed in several shows.