

Harsh Lodwal

+91 96309198409 | harshlodwal525@gmail.com
[Github](#) | [Linkedin](#)

I am a Software Engineer with 2.8 years of experience, adept at tackling complex problems and constantly challenging myself to devise optimal solutions. Proficient in Java, Spring Boot, JavaScript, React, Node.js, Python, and cloud platforms such as AWS and Azure. Proven ability to deliver high-quality software solutions and improve system performance.

Education

School of Computer Science & I.T. DAVV	Indore,
India	
Master of Technology	2018 -
2020	

Acquired a profound understanding of Computer Science during my master's program. Gained hands-on experience in Data Science and Machine Learning.

Medicaps Institute of Science and Technology	Indore,
India	
Bachelor of Engineering	2013 -
2017	

Completed a bachelor's degree in Computer Science, where I acquired a solid understanding of the field and undertook several projects.

Professional Experience

Infosys Limited	Indore,
India	
Software Engineer	Apr 2022 -
Present	

- Spearheaded the development of diverse Spring Boot technologies.
- Engaged in crafting Spring microservices and REST APIs.
- Orchestrated the creation of Docker files and Docker Compose for microservices.
- Formulated JUnit test cases for microservices.
- Assessed sprint stories and ensured their completeness through in-depth discussions with clients.
- Devised initial technical designs for intricate user stories.
- Evaluated developed code to ensure adherence to best programming practices.
- Engineered a transcript generation model leveraging Whisper AI.

Softude by Systematix Infotech Pvt Ltd	Indore,
India	
Trainee Engineer	Aug 2021 - Mar
2022	

- Engaged in the development of APIs for user stories.
- Conducted use case walk-throughs to grasp business understanding and functionalities.
- Engineered logic for proposed functionalities using Node.js.
- Programmed and deployed website features.
- Enhanced user interfaces for optimal performance.
- Tailored modules according to client requirements, enabling dynamic data listing and report management.

- Leveraged technical expertise to improve functionality and performance, significantly contributing to the success of digital marketing initiatives.

Projects

Multivariate Time Series Analysis on PM2.5 using Recurrent Neural Networks & LSTM

- This model is designed to forecast PM2.5 levels for the upcoming hour.
- Conducted time series analysis on Visakhapatnam air quality data.
- Utilised Python libraries such as NumPy, Pandas, and Scikit-Learn.
- Employed deep learning frameworks including Keras and TensorFlow, with RNN and LSTM architectures.
- Deployed a machine learning web application created with Flask on the Heroku platform.

Technical Skills

Skill :Java, SpringBoot, Java Script, React, Node, Python, Machine Learning, Deep Learning, Git, Docker, Microservices

Web Design : Html, CSS, Tailwind, Bootstrap, Material UI

Database : Mysql, MongoDB, Sequelize

Cloud : Aws, Azure