Harsh Lodwal

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Github | Linkedin

I am a Software Engineer with 2.10 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

- Developed a model to forecast PM2.5 levels for the next hour, using historical data.
- Performed time series analysis on Visakhapatnam air quality data, uncovering trends and patterns.
- Utilised Python libraries such as NumPy, Pandas, and Scikit-Learn for data manipulation and analysis.
- Employed Keras and TensorFlow frameworks with RNN and LSTM architectures for model building.
- Deployed the machine learning web application on Heroku using Flask, enhancing accessibility and user interaction

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