Contact

+15736395628 (Mobile)
khadakkar.45@gmail.com

www.linkedin.com/in/govardhan-khadakkar (LinkedIn)

Top Skills

Java
Python (Programming Language)
Spring Framework

Certifications

ETL in Python and SQL
Intro to Deep Learning
Foundational C# with Microsoft

Govardhan Khadakkar

Senior Software Engineer | Bridging Data Science and Engineering |
AWS, Python, Spark, Java | Data Engineering & ML Integration | MS
CS '25
Columbia, Missouri, United States

Summary

With 5+ years of experience across various roles within the IT
industry, I am currently pursuing a Master's Degree in Computer
Science at the University of Missouri-Columbia. My expertise
includes RESTful web services, micro-services architecture, and
agile methodologies, ensuring high-quality software delivery. I also
bring proficiency in Java, Spark, and Big Data technologies for
optimized performance, along with skills in DevOps tools such as Git,
Jenkins, Docker, Kubernetes, and SQL. Grounded in a Bachelor's
in Engineering from Sant Gadge Baba Amravati University, my
commitment to collaborative problem-solving, innovative thinking,
and continuous learning drives my passion for the ever-evolving field
of software engineering.

Please feel free to connect with me via email at
khadakkargovardhan@gmail.com

Experience

University of Missouri-Columbia
Graduate Research Assistant
February 2024 - Present (1 year 3 months)
Columbia, Missouri, United States

I contribute as a Python Developer to web applications for plant-protein-
phosphorylation analysis, developing robust backend solutions with Python
Flask and FastAPI. I implement API endpoints to ensure seamless interaction
between frontend and backend, integrate MySQL and MongoDB databases for
efficient data storage and retrieval, and design optimized database schemas.
I utilize AWS services (EC2, RDS) to create a scalable and reliable backend
infrastructure, manage application deployment on AWS, and containerize
backend applications with Docker for easy deployment and scalability.

Siemens Healthineers

Data Science Intern
May 2024 - August 2024 (4 months)
North Carolina, United States

Enhanced headcount prediction model accuracy using Snowflake, Python, and Qlik Cloud by implementing stepwise regression to analyze explanatory variables, thereby boosting business decision-making efficiency. Developed production code for data infrastructure to automate tasks, generate ad-hoc and production-level analytics, and provide actionable insights. Automated key business metric visualizations and applied statistical and mathematical techniques for meaningful analysis of transactional data.

Tech Mahindra
Senior Software Engineer
February 2023 - July 2023 (6 months)
India

I contributed to the development of two new applications and the enhancement of an existing application by utilizing Java, Spring Boot, MySQL, and Microservices architecture. I leveraged SQL proficiency to design and manage robust databases, ensuring seamless data integration and manipulation within the applications. I improved deployment timelines and reduced project roadblocks by identifying creative solutions and optimizing workflows during development. Additionally, I managed and trained a team of four junior engineers, overseeing project designs, software testing, quality assurance, and execution. My adaptability and strong communication skills enabled effective collaboration with diverse teams and stakeholders across various applications.

LTI - Larsen & Toubro Infotech
Product Engineer
May 2020 - February 2023 (2 years 10 months)
Pune, Maharashtra, India

At Fosfor, an integrated suite of products designed to monetize data at speed and scale, I played a pivotal role in optimizing and maintaining data processing and ETL pipelines. By fine-tuning performance parameters and leveraging advanced features of Apache Spark, such as parallelism and Spark SQL tuning, I achieved a 25% optimization improvement for the Hive connector and integrated Kerberos-based authentication for enhanced security. My dedication to maintaining high service availability and boosting client satisfaction ensured seamless operations across multiple client clusters. Additionally, I developed robust unit test cases using JUnit, achieving up to 89% code coverage, which guaranteed the reliability and quality of our applications.

Tata Consultancy Services
Cyber Security Analyst
June 2019 - March 2020 (10 months)
Thane, Maharashtra, India

In my role, I expertly configured and managed multiple security platforms, including Firewall, Proxy, VPN, and Endpoint security, for four clients. Every day was dynamic as I handled administrative tasks, reported progress, and facilitated seamless communication across relevant teams. I swiftly responded to security incidents, ensuring timely and effective mitigation through hands-on technical support. My experience with Scrum and Agile methodologies further enhanced my ability to adapt and deliver in a fast-paced environment.

Education

University of Missouri-Columbia
Master of Science - MS, Computer Science · (August 2023 - May 2025)

Prof. Ram Meghe Institute of Technology & Research
Bachelor of Engineering - BE, Information Technology · (June 2016 - May 2019)

Maharashtra State Board of Technical Education (MSBTE)
Diploma, Computer Engineering · (June 2013 - May 2016)