

# ABHISHEK GOUDAR

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Software engineer with 5+ years of experience in software design, optimization, and machine learning. Proven ability to deliver scalable, data-driven solutions. Seeking full-time opportunities to drive impact and innovation.

## EXPERIENCE

### Software Development Engineer 3

Feb 2019-May 2023

Voiro, India

- Developed software solutions, including recommendation systems, to optimize sales and inventory management for OTT players, driving significant revenue.
- Containerized microservices using Docker to address scalability challenges, reducing deployment time and issues by 20% while enhancing load balancing
- Implemented caching systems using Redis, Celery and RabbitMQ, achieving 20% faster data retrieval.
- Designed and implemented a multi-layered, multi-tenant notification system, achieving ultra-low latency and reducing infrastructure costs for enhanced performance.
- Managed AWS EC2, RDS, S3 deployments and optimized AWS Athena queries decreasing querying time by 10%.
- Mentored engineers throughout the software development life cycle, enhancing efficiency and improving project execution..

### Software Engineer

Feb 2018-Feb 2019

Traveller, India

- Implemented chatbots utilizing natural language processing, boosting user engagement by 15%.
- Developed full-stack web applications using Django & Angular for B2C clients, significantly contributing to the revenue.
- Introduced Agile Scrum, fostering weekly meetups that boosted knowledge exchange & team productivity.
- Designed and executed an OCR-based resume parser, streamlining applicant info extraction and improving recruitment efficiency by 8%.

## TECHNICAL PROFICIENCY

**Programming Languages:** Python, R, JavaScript (ES6+), Java, Scala

**Web Development:** HTML, CSS, Ajax, REST API, JSON, Django, Flask, Spring, Angular, Celery, RabbitMQ

**Databases & Caching:** MySQL, PostgreSQL (SQL); MongoDB, Neo4j (NoSQL); Redis, MemCache

**Build Automation & Version Control:** Apache Maven, Gradle; Git, Bitbucket

**Devops & CI/CD Tools:** Docker, Kubernetes, Terraform, AWS (EC2, S3, Athena, Lambda, CloudWatch), Azure, Google Cloud Platform (GCP)

**Data Science & ML:** Pandas, NumPy, Matplotlib, scikit-learn, PyTorch, spaCy, TensorFlow, Spark, Tableau, Power BI

## RESEARCH EXPERIENCE

### Graduate Research Assistant

Dec 2023-Present

IDIR Lab, UT Arlington

(idir.uta.edu)

- Currently working on 'Orion: Leveraging Twin Tower and/or LLM-Based Recommendations for Nodes and Edges in Query Graph Completion'.
- Successfully configured and enabled GPU drivers for machine learning tasks, enhancing computational efficiency.
- Optimizing web features using Flask and Spring, enhancing user interaction and functionality for lab projects.

### Research Intern

Jan 2017-Oct 2017

CSIR-National Aerospace Laboratories, India

- Improved energy efficiency by 15% by developing a Particle Swarm Optimization based MPPT algorithm for solar panels.

## EDUCATION

### Master of Science [Data Science]

Aug 2023-May 2025

University of Texas, Arlington

GPA 4.0/4.0

*Courses: Statistical Theory & Applications, Statistical & Scientific Computing, Neural Networks, Machine Learning, Big Data and Cloud Computing, Data Visualization.*

### Bachelor of Technology [Computer Engineering]

Jul 2013-Jul 2017

CMR Institute of Technology, Bengaluru, India

*Courses: Data Structures and Algorithm, Design Patterns, Operating Systems, Embedded Programming, Distributed Systems, Computer Networks.*

## PROJECTS

Interactive Tableau visualizations of trends in Paris 2024 Olympics. [🔗Link](#)

Optimizing Walmart Inventory: Sales and Holiday Impact Analysis. [🔗Link](#)

Improving Airline Passenger Experience: Machine Learning for Key Satisfaction Factors. [🔗Link](#)