

# Vishwas Desai

[LinkedIn](#) | [GitHub](#)

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## SKILLS

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- **Languages:** Java, Python, R, JavaScript, TypeScript, SQL
- **Databases & Cloud:** MongoDB, AWS (S3, EC2, Lambda), Firebase
- **Developer Tools:** Git, Bash, Django, VS Code, Express, Spring Boot, Node.js, React.js
- **ML Tools:** TensorFlow, Keras, Pandas, NLTK, OpenCV, Dask, SageMaker, Spark
- **Other:** Linux, Unix, Docker, Kubernetes, Jira, Agile, SDLC, Design Patterns, Machine Learning

## EXPERIENCE

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### Graduate Research Assistant (Volunteer)

Feb 2023 - Mar 2024

Indiana University

Bloomington, IN, US

- Engineered a cloud-first data ingestion system for real-time analytics using Python, SQL and Spark.
- Improved speed of data ingestion for large datasets was by 50%, enabling faster data processing distribution.
- Built Python-based web scrapers to create a robust ETL pipeline, facilitating the extraction, transformation, and loading of data from various sources.

### Software Developer Intern

Jan 2020 - Jul 2020

Titan Company Ltd

Bengaluru, India

- Implemented RESTful APIs using Java, Spring Boot, and AngularJS to power a dynamic product page website.
- Incorporated a finely-tuned search engine to deliver search results in under 2 seconds.
- Employed a comprehensive full-stack development approach utilizing Git, JIRA, and AWS to streamline development processes and foster collaboration.

## KEY PROJECTS

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### ParcelPost | Java, Spring Boot, React, REST, AWS

[GitHub](#)

- Developed a scalable Reddit-like platform using Java, Spring Boot, React, and AWS EC2.
- Employed a microservice architecture to optimize data retrieval for high performance and scalability.
- Designed a robust user interaction system enabling users to create and manage subReddits, posts, comments, and votes, fostering a dynamic and engaging community.

### PathFinder | Express, Node.js, Angular.js, TypeScript, Firebase

[GitHub](#)

- Developed a full-stack travel booking platform with NLP-powered chatbots, search filters, multi-factor authentication, dynamic maps, and integrated advertising capabilities.
- Implemented a CI/CD pipeline that automated software delivery, resulting in a 60% reduction in deployment time.

### Athlos | Python, Django, MySQL, REST

[GitHub](#)

- Designed an e-commerce platform for athleisure products, featuring RESTful APIs and MySQL for efficient product search, purchase, review, and data management.
- Developed a modular application using Python, Django, and React to ensure scalability and maintainability.

## EDUCATION

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### Indiana University Bloomington (USA)

Jan 2021 - Dec 2022

Master of Science - Computer Science

GPA: 3.7/4.0

### Visvesvaraya Technological University

Aug 2016 - Aug 2020

Bachelor of Engineering - Information Science and Engineering

GPA: 7.97/10.0

## CERTIFICATIONS & PUBLICATIONS

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- [CodePath Certificate in Advanced Software Engineering](#) (CodePath)
- [Traffic Prediction System using IoT in Smart City Perspective](#) (IEEE)