

# Goutham Rathod Khatravat

## Associate Software Engineer

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## SUMMARY

Detail-oriented Associate Software Engineer with strong experience in AI-powered application development, data engineering, and backend systems using Python, Django, Java (Spring Boot), and RESTful APIs. Proven ability in building NLP-based chatbots, designing and optimizing data pipelines, and integrating AI solutions with enterprise platforms. Skilled in API development, data ingestion, processing, and analytics, with hands-on experience in MySQL, MongoDB, and PostgreSQL. Experienced in query optimization, caching, CI/CD pipelines, and Agile delivery, with a focus on scalable, high-performance, data-driven systems.

## WORK EXPERIENCE

### Forsys Software India Pvt Ltd | Associate Software Engineer | Hyderabad, India | Nov 2024 - Present

- Built an **AI-powered NLP chatbot** integrated with MWA to automate leave management and retrieve employee data
- Developed and optimized **data pipelines and backend APIs**, improving performance by 20-30%
- Integrated **Zoho CRM** with internal systems to enable automated data workflows and reduce overhead by 30%
- Working on a **Data Engineering project for client DigiCert**, focused on data ingestion, processing, and analytics

### Tata Consultancy Services (TCS) | Undergraduate Research Intern | Hyderabad, India | May 2023 - Jul 2023

- Developed Streamlet Protocol for faster and more reliable distributed communication.
- Modeled and optimized systems using Python (SimPy) to enhance scalability and process efficiency.
- Researched blockchain-based solutions for improved system security and transparency.

## PROJECTS

### Leave Management System - React JS, Node JS, REST API, MongoDB.

- Designed and implemented a NoSQL database schema to store employee leave records, requests, and related information
- Worked closely with cross-functional team members to define project requirements, assign tasks, and coordinate development efforts.

### URL Shortener - Django, REST API

- Developed a URL shortening application using Django and REST APIs
- Implemented URL analytics to track clicks and usage metrics
- Built a responsive interface optimized for mobile and desktop devices

## EDUCATION

### Bachelor of Technology in Computer Science and Technology | Indian Institute of Engineering Science and Technology (NIT), Shibpur | Dec 2020 - May 2024 | CGPA: 8.02

## SKILLS

- Programming: Python, C/C++, Java, JavaScript, TypeScript
- Frameworks & Libraries: React JS, Angular, Django, Spring Boot, Node JS, Express
- Databases: MySQL, MongoDB, PostgreSQL
- Tools & Platforms: Zoho CRM, Git, VS Code, Postman, Rocketlane, Flodata
- Concepts: RESTful APIs, Agile & Scrum, CI/CD, Performance Optimization