

# JITHENDHAR REDDY

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## OBJECTIVE

Highly adaptable and motivated Full Stack Developer with expertise in cloud architecture, AI/ML integration, and modern web development. Proven track record in designing scalable software solutions, optimizing performance, and delivering innovative projects. Seeking to leverage technical proficiency in Java, Python, React.js, and AI-driven development, along with a disciplined approach to coding and debugging, to contribute to a forward-thinking organization like Neuromnia that values excellence and innovation.

## SKILLS

### Programming Languages:

Java OOPS Ruby on Rails  
Python HTML,CSS  
JavaScript Django Reactjs N  
**Database Systems**  
SQL

### Technical Skills:

SDLC  
SAP , BOM,SAF  
RestfulApis  
Micro-Services Architecture

### Soft Skills

Communication  
TeamWork  
Detail-Oriented Problem-solving skills

## PROFESSIONAL EXPERIENCE

### Neuromnia

OCT 2024 - CURRENT

### Full Stack Developer (AI/ML Integration)

#### Responsibilities:

- Design, develop, and deploy full-stack applications integrating AI/ML models to solve complex business challenges, enhancing user experience and operational efficiency.
- Build and maintain scalable microservices architecture using Java, Python, Django, and FastAPI, ensuring high availability and performance.
- Implement responsive front-end interfaces with React.js, HTML, CSS, and JavaScript, improving user engagement by 30%.
- Develop RESTful APIs and integrate machine learning models (e.g., GANs) into production systems, reducing processing time by 25%.
- Collaborate with cross-functional Agile teams to align software solutions with business goals, adhering to SDLC best practices.
- Utilize Docker and Kubernetes for containerization and orchestration, streamlining deployment processes and enhancing scalability.
- Optimize database performance using SQL and NoSQL systems, ensuring efficient data retrieval and storage.
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#### Achievements:

- Delivered an AI-powered feature that increased system accuracy by 20%, earning positive stakeholder feedback.
- Reduced application load time by 15% through code refactoring and cloud optimization techniques.

## AI/ML Freelance

March 2023 - Present

- Developed and deployed machine learning models for real-world applications, focusing on the fashion industry.
- Utilized generative adversarial networks (GANs) to create innovative solutions for fashion design and analysis.
- Implemented backend solutions using FastAPI and Flask to support AI-driven applications.
- Collaborated with a team of researchers and engineers to translate cutting-edge research into practical applications.
- Stayed updated with emerging technologies and trends, integrating them into ongoing projects to enhance performance and capabilities.

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## EDUCATION

**Sreenidhi Institute of Science and Technology, Hyderabad, Telangana, India**

Bachelor of Engineering in Information Technology

CGPA: 8.0

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## PROJECTS

### AI-Driven Predictive Fashion Recommendation Engine

- Developed an intelligent recommendation system using Python, TensorFlow, and generative adversarial networks (GANs) to predict fashion trends and personalize user experiences.
- Built a scalable backend with FastAPI and a dynamic React.js front-end, reducing customer decision time by 35%.
- Integrated cloud-based microservices architecture with AWS, achieving 99.8% uptime and handling 10,000+ daily users.
- Collaborated with a design team to deploy the solution for a fashion e-commerce client, boosting sales conversions by 25%.

### Smart Healthcare Appointment Optimization System

- Engineered a full-stack application using Django, JavaScript, and SQL to optimize hospital appointment scheduling with real-time AI predictions.
- Implemented RESTful APIs and a user-friendly interface with React.js, cutting patient wait times by 40%.
- Utilized Docker and Kubernetes for seamless deployment and scalability, supporting 5,000+ appointments monthly.
- Enhanced system accuracy by integrating machine learning models, earning recognition as "Most Innovative Project" in a team review.

### Autonomous Traffic Flow Management Dashboard

- Designed a geospatial microservices solution using Node.js, React.js, and PostgreSQL to analyze and optimize urban traffic patterns in real time.
- Developed RESTful APIs to process data from IoT sensors, improving traffic flow efficiency by 30% in a simulated environment.
- Leveraged cloud architecture and Kubernetes for high availability, processing 1 million+ data points daily.
- Created an interactive dashboard for city planners, reducing manual analysis time by 50% and gaining stakeholder praise.