

# Ronak Khandelwal

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## SUMMARY

Software Development Engineer with experience in architecting scalable backend systems and AI-powered solutions using **Python**, **Django**, and **React**. Successfully built complex internal tools, including intelligent CRMs and intent-detection chatbots, while leading technical teams to streamline operations. Proficient in algorithm optimization, cloud deployment, and integrating modern AI frameworks to solve business challenges.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, SQL (MySQL), HTML/CSS

**Web & Backend:** Django, Flask, React, Node.js, WebSockets, REST APIs

**AI & Emerging Tech:** LangChain, LangGraph, MCP Servers, n8n

**Databases & Tools:** PostgreSQL, MongoDB, Redis, AWS, Docker, Celery, Git/GitHub

## EXPERIENCE

### Software Development Engineer - I

Jan 2023 – Present

*Gurugram, India*

*EventGraphia*

- Architected Core Internal Systems: Developed a Planner and CRM system using **Django** and **React**, centralizing booking stages and internal notes for the operations team, which streamlined workflow tracking.
- Engineered Smart Assignment Engine: Built a recommendation engine using **Python** to rank photographers based on **100+ parameters** (location, availability, service regions), automating resource allocation.
- Built Intent-Based Chatbot: Integrated **WhatsApp Business APIs** with a custom **intent detection** engine to classify user queries (service inquiry vs. general), automating customer interactions and support.
- Optimized Data Pipeline & Security: Developed a fault-tolerant desktop Data Copy Agent with checksum validation and duplication checks. Integrated **Meta Pixel**, improving lead quality by **90%** through enhanced ad targeting data.
- Leadership & Optimization: Led a **team of 4 developers**, bridging the gap between sales and tech. Reduced server load by implementing **Redis** caching and **Celery** for asynchronous task queuing.

### Associate Software Developer

Jun 2022 – Nov 2022

*Hyderabad, India*

*CAW Studios*

- Developed AI Chatbot Solutions: Collaborated with Singapore-based clients to build **AI-powered chatbots**, integrating third-party APIs to automate complex business workflows.
- Client Requirement Analysis: Interacted directly with stakeholders to gather requirements, designing **auto-reply models** that significantly enhanced response accuracy and user engagement.

## PROJECTS

### Booking Management System API | *Python, AWS, GitHub Actions*

- Developed a robust API collection for movie information retrieval and ticket booking, ensuring scalable backend performance.
- Automated linting and deployment pipelines using **GitHub Actions**, deploying the solution to **AWS** for high availability.

### Advanced Quotation System | *Django, React, Redis*

- Built a **dynamic quotation engine** allowing sales teams to input complex variables (event dates, deliverables, travel costs), generating instant, adjustable cost structures and installment plans.

## EDUCATION

### Lovely Professional University

Phagwara, Punjab

B.Tech. in Computer Science and Engineering; CGPA: 8.26/10.0

2019 – 2023

## ACHIEVEMENTS

**Global Coding Ranks:** Ranked in the **Top 3%** of coders on LeetCode and achieved **4-Star** status on CodeChef.

**Competitive Programming:** Secured **Rank 9** out of 500+ participants in GeeksforGeeks Coders Combat and **Rank 418** out of 14,000+ in Newton's Grand Coding Contest.

**Problem Solving:** Solved **500+** **algorithmic problems** across various platforms, specializing in DSA.