

# AKASH KUMAR

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## SUMMARY

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Full-Stack Developer with 2+ years of experience shipping production systems, including an ERP platform used by 200+ employees, an AI-powered business assistant supporting 70+ query types, and a call intelligence system processing 100–130 calls daily. Strong in backend automation, AI integration, and performance optimization, with experience turning business requirements into reliable, scalable software

## TECHNICAL SKILLS

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**Programming Languages:** Python, JavaScript, TypeScript

**Libraries and Tools:** Django, React.js, Next.js, Node.js, Celery, Redux, Zustand, Express.js, Git/GitHub, Jira, Tailwind/Bootstrap

**Database:** MySQL, PostgreSQL, MongoDB

**Cloud:** Docker, Linux, AWS

## WORK EXPERIENCE

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### Software Developer

Thirupathy Bright Industries, Chennai, India

May 2026 - current

- Developed and maintained an internal **ERP platform used by 200+ employees**, automating manual business workflows using **Django, React, TypeScript, MySQL, and AWS**.
- Built an **AI-powered business assistant** supporting **70+ operational query types**, using **tool-calling** to provide real-time inventory, dispatch, and production information to marketing, dispatch, and production teams.
- Built automated backend processes using **Celery and Cron**, enabling reliable scheduling and asynchronous execution of recurring business operations.
- Built an **AI-powered call intelligence system** processing **100–130 calls daily**, automatically distinguishing **customer and internal calls**, transcribing customer conversations, and analyzing call outcomes to generate marketing conversion insights.

Techstack used: Python, Django, React, TypeScript, MySQL, Celery, Cron, AWS, LLM/AI, Tool Calling

### Frontend Developer

Thaagam Foundation, Chennai, India

June 2024 - April 2026

- Rebuilt donation platform serving **50K+ monthly users** across multiple categories
- Improved production performance by reducing Core Web Vitals metrics, lowering **LCP from 8s → 2s** and **FCP from 16s → 4s**
- Built **PWA mobile interface** with **code splitting** and **image optimization**.
- Assisted in developing an **AI image processing pipeline** that verified **5,000+ delivery images daily** to prevent duplicate distribution.
- Integrated **WhatsApp Webhook** system for automated donor campaign messaging.

Techstack used: React.js, TypeScript, Zustand, PWA, Core Web Vitals, MySql, Django, Celery, WhatsApp Business API

## EDUCATION

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### SRM University

Masters of Computer Application

Chennai, India

July 2022 - July 2024

### Agurchand Manmull Jain College

Bachelor of Computer Science

Chennai, India

June 2019 - June 2022

## COURSEWORK

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Algorithms and Data Structures, Object Oriented Programming, Web Application Architecture, Cloud Computing (AWS), Design Principles and Clean Architecture, Software Development Life Cycle, Database Management (SQL, NoSQL)