

# BALA KARTHIKEYA ALURU

DevOPS & UI/UX Designer

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Location : Bengaluru, Karnataka, India

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## About

Full Stack Developer and AI engineer with practical knowledge of developing and deploying intelligent web apps. Interested to work with UI/UX, User Solution-Centric Apps, LLMs, and AI tools. Developed and deployed 4+ projects that included AI features and Production level quality. ServiceNow Certified System Administrator & Application Developer.

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## Education

### Narayana Junior College

Secondary Education, Percentage – 86.4%

### Dayananda Sagar University BTech –

Computer Science & Engineering, CGPA – 8.4

Nellore, India

June 2021– March 2023

Bangalore, India

September 2023- Present

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## Skills

<b>Programming :</b>	Python, JavaScript, TypeScript, Java, C
<b>Development :</b>	ReactJS, HTML, CSS, Bootstrap, FastAPI, PWA
<b>AI/ML :</b>	FAISS, RAG, Prompt Engineering
<b>Tools &amp; DevOps :</b>	Git, GitHub, VS Code, Postman, Google Colab, Jupyter, Vite
<b>UI/UX Design :</b>	Figma, Canva, Wireframing, Prototyping
<b>Other :</b>	Team Leadership, System Administration (SNOW), Application Development (SNOW)

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## Work Experience

### Akeshya Pvt Ltd – AI Intern

Jun 2024 – Jul 2025

- Assisted in building Retrieval-Augmented Generation (RAG) agents for document workflows.
- Contributed to improving response accuracy by optimizing prompts and memory management strategies.
- Integrated HuggingFace models and FAISS vector DB to improve document retrieval speed by 25%.

### DSU MUNS Club – Lead Web Developer

May 2025 - Present

- Led a web development team to build and maintain event website using ReactJS, Vite, Modular CSS
- Implemented registration, event scheduling, and live update features, boosting registrations by 60%.
- Mentored peers in version control and best practices, strengthening club's technical foundation.

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## Projects

### RoleDoc – Document Roleplay RAG ChatBot - [Link](#)

July 2025

- **Problem:** Knowledge users struggle with static documents lacking interactivity.
- **Action:** Built RAG-based bot that transforms documents into conversational agents, supporting PDF/DOCX/TXT.
- **Result:** Delivered real-time contextual answers; PWA deployment improved accessibility with <3s query response.

### Soulink – Journal + Mental Health Therapy - [Link](#)

August 2025

- **Problem:** youth lack accessible tools for emotional reflection.
- **Action:** Developed journaling app with emotion-aware diary, wellness insights, gamified dashboards, and AI therapist.
- **Result:** Better experience of journaling with fun and cool features

### ReCall – Multi-Platform Study Storage + AI - [Link](#)

September 2025

- **Problem:** Students struggle with organizing and revising notes effectively.
- **Action:** Built a cross-platform assistant with OCR text extraction, AI summarization, quizzes, and progress tracking.
- **Result:** Reduced manual note-taking time by 40% in pilot usage among peers; deployed as downloadable PWA.

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## Certifications

**Certified System Administrator** - Learnt about managing the user roles, access controls, groups and assignments of tasks & automating the processes and workflows inside a **ServiceNow** Instance

**Responsive Web Design** – freeCodeCamp: Learned modern front-end design principles, including responsive layouts, Flexbox, and CSS Grid, to deliver user-friendly, device-agnostic web interfaces.

**Full Stack Development** - Udemy: Learned to build full-stack web apps and PWA with color theory and UI/UX principles for building modern and sleek designs.

## Languages

- **English** (Fluent)
- **Hindi** (Fluent)
- **Telugu** (Native)
- **Kannada** (Basic)