

Akhilesh Bhaskar Kotegar *Software Developer*

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Profile

Master's student in Computer Science at TH Deggendorf with a strong foundation in software development, data analysis, and machine learning. Experienced in Python and JavaScript through academic and project work, with hands-on exposure to data-driven problem solving and modern development practices. Highly motivated, analytical, and eager to apply theoretical knowledge in real-world industry projects.

Professional Experience

03/2025 – 07/2025
Bangalore, India

Celebto Technologies Pvt Ltd, Software Engineer Intern

- Implemented secure OAuth-based authentication using **Firebase** and **Kotlin**, ensuring robust session management.
- Developed responsive **Next.js** frontend components, translating Figma designs into production-ready UI code.

11/2022 – 04/2024
Bangalore, India

Celebto Technologies Pvt Ltd, Software Engineer Intern

- Engineered scalable cloud automation on **Google Cloud (GCP)**, implementing Role-Based Access Control (RBAC) to enhance security.
- Optimised deployment workflows by establishing **CI/CD pipelines** and **Docker** containerization, significantly reducing deployment errors.
- Collaborated in an Agile Scrum team for 1.5 years, contributing to the full SDLC and core architectural decisions.

Education

10/2025 – Present
Deggendorf, Germany

M.Sc. Applied Computer Science, Technische Hochschule Deggendorf 🌐

- Focus area: System Design, Software architecture, advanced programming, Website Designing.

12/2021 – 07/2025
Bangalore, India

Bachelor of Engineering (B.E.) in Information Science and Engineering,
Ramaiah Institute of Technology

- GPA: 8.05 / 10
- Bachelor Thesis: Anomaly Detection in Space Logs using Self-Supervised Learning (DBLCL).

Projects

12/2025 – 01/2026

Orbit – AI-Powered Workspace Management System,

Full Stack Application with Next.js 16, TypeScript, Prisma & AI Automation 🌐

- **Architected a multi-tenant SaaS CRM** using **Next.js 16** and **TypeScript**, ensuring end-to-end type safety and RBAC security via Clerk.
- **Integrated Google Gemini AI** to automate email drafting and task breakdown, reducing administrative workload by approx. 40%.
- **Established CI/CD pipelines** on Vercel with **Prisma/PostgreSQL**, achieving zero-downtime deployments.

02/2025 – 03/2025	Dog Breed Identification Using Deep Learning, <i>Computer Vision Model with Transfer Learning Optimization.</i> <ul style="list-style-type: none">• Engineered a Deep Learning model (TensorFlow/Keras) classifying 120+ breeds with 85% accuracy via Transfer Learning.• Optimized training time by 25% using EarlyStopping and ReduceLROnPlateau, improving generalization on unseen data.
09/2023 – 04/2024	Wine Store Inventory Management, <i>Serverless Mobile App with AWS Lambda, MongoDB & Flutter</i> <ul style="list-style-type: none">• Developed a serverless inventory app using Flutter and AWS Lambda, reducing manual stocktaking effort by 70% via QR scanning.• Optimized backend performance by 90% through MongoDB indexing and API Gateway caching strategies.

Awards

20/12/2023	1st Prize – HackZion National Hackathon, AMC Engineering College, Bangalore <ul style="list-style-type: none">• Secured 1st Place (National Level) for building "HealthGuard," an AI-powered nutrition platform using Large Language Models (LLMs) for natural language analysis.
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Skills

Web Development & Frameworks — Proficient Next.js 16 (App Router), React.js, TypeScript, Node.js, Express, Tailwind CSS, Shadcn/UI, HTML5/CSS3.	Backend, Database & Cloud — Proficient PostgreSQL, MongoDB, Prisma ORM, Supabase/Neon, AWS (Lambda, API Gateway), Vercel, Docker, REST APIs.
AI & Data Science — Competent Python, TensorFlow, Keras, Google Gemini API, Large Language Models (LLMs), Pandas, NumPy.	Tools & DevOps — Proficient Git, GitHub, CI/CD Pipelines, Clerk Auth, Postman, VS Code, Figma (Basic).
Languages English (Professional / C1), German (Basic / A1 - Learning), Kannada (Native).	