# Krishna Vijaykumar Randad

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## EDUCATION

**Vellore Institute of Technology**                                                     Tamil Nadu, India
*Bachelor of Technology in Computer Science with Specialization in IoT, CGPA: 9.13*        *Sept. 2022 – Present*

**R.L.T. College of Science, Akola**                                                   Maharashtra, India
*HSC - Maharashtra State Board (77%)*                                                   *May 2020 – Mar. 2022*

**Kothari Convent High School, Akola**                                                 Maharashtra, India
*SSC - Maharashtra State Board (97%)*                                                   *Jun. 2010 – Mar. 2020*

## PROFESSIONAL EXPERIENCE

**OnDevice Solutions Ltd.**                                                             Hyderabad, India
*AI Intern (On-site)*                                                                   *June 2025 – July 2025*

– Built an Offline Automated Form Filling system processing 500+ voice transcripts daily, extracting structured data from Android apps and boosting data collection efficiency by 35%

– Architected and optimized a modular NLP pipeline combining T5 and RoBERTa models, achieving 92% accuracy and reducing inference time by 40% through ONNX, TFLite, and GGUF deployment strategies

– Collaborated with 3 Android engineers across 2 teams to integrate model capabilities, can deliver robust offline functionality for 10,000+ daily active users

## NOTABLE PROJECTS

**AI-Powered E-Commerce Search System** ↗

– Developed a comprehensive hybrid e-commerce search engine processing 10,000+ queries/day with semantic autosuggest, vector and keyword-based retrieval, delivering 40% faster search results

– Implemented ML-based ranking algorithms achieving 85% search relevance accuracy using FastAPI, FAISS, Elasticsearch, and Scikit-learn with React frontend which can serve 500+ concurrent users

**Quick Add Advertising Agency Website** ↗

– Architected and deployed the official agency website attracting 120+ unique local clients across 7 months using React, Node.js, Neon DB, and Vercel with 99.9% uptime

– Integrated 2 lead-capturing forms processing 150+ submissions monthly with Neon DB for real-time booking; accelerated development by 40% using AI-assisted coding tools

**Personal Portfolio Website** ↗

– Built and deployed a responsive portfolio showcasing 5+ technical projects using HTML, CSS, JavaScript, and Vercel with 200+ page views

– Optimized performance achieving 97 Lighthouse score and 2.3s load time through mobile-first design and accessibility standards

**Additional IoT and ML Projects** ↗

– Prototyped 3 Arduino-based IoT systems using Tinkercad (Iot based smart street light system, RFID Door Lock System, Smart Parking System Using Arduino) and trained 3 ML models including Diabetes Predictor achieving 91% accuracy using Scikit-learn

– Launched a crop tracking dashboard (FarmTrack) using Node.js and Express handling 200+ farm records.

## TECHNICAL SKILLS

**Programming Languages:** C, C++, Python, Java

**Web Technologies:** JavaScript, HTML, CSS, React.js, Node.js

**Cloud & Database:** AWS, Vercel, MySQL

**ML/AI & Data Science:** NumPy, Pandas, Scikit-learn, Matplotlib, OpenCV, ONNX, TFLite, GGUF

**Development Tools:** Git, VS Code, Jupyter Notebook, CodeBlocks

**Embedded Systems:** Arduino, Tinkercad

## Achievements

**Runner-Up - Flipkart GRiD 7.0** ☑ 2025
*Team "Runtime Terror" - Team Lead & Project Lead* *National Competition*

– Selected among top 48 finalists from 180,000+ students enrolled nationwide in Flipkart's flagship engineering competition

– Presented technical solution live at Flipkart HQ, Bangalore to 5+ senior leadership, engineers, and product managers

– Delivered a scalable, ML-powered search solution processing 100,000+ queries under timed development constraints

– Represented VIT at national level and received commendation from Flipkart's CHRO and Grid management team

## Certifications

**Oracle Certified Java Professional** ☑ (Oracle)

**Arduino for Beginners - 2023 Complete Course** ☑ (Packt & Coursera)

**AWS Educate: Introduction to Cloud 101** ☑ (Amazon Web Services)

**Machine Learning Training** ☑ (Internshala Trainings)

**Accenture North America Data Analytics and Visualization** ☑ (Forage)

**Full Stack Web Development** ☑ (100xDevs)

**Data Structures & Algorithms** ☑ (Coding Ninjas)

## Volunteering & Extracurricular

**Board Member at SEWASHRAY:** Coordinated digital outreach campaigns reaching 50,000+ people and orchestrated logistics for 12,000+ free cataract surgeries across 15 camps

**Volunteer at ADHAAR NGO:** Distributed 7,500+ meals to underprivileged communities and launched medical equipment rental drive supporting 200+ families

**Core Member at IEEE-VIT:** Organized 3+ technical events with 800+ participants across multiple engineering disciplines

**Hackathon Participant:** Competed in national-level hackathons including Smart India Hackathon (SIH), DEVSOC, and PRUDENTIA; developed functional prototypes within 24-48 hour constraints and collaborated with cross-functional teams to deliver innovative solutions