KARTHIK U RAO

LinkedIn: linkedin.com/in/karthik-u-rao | Portfolio: karthikrao.me | GitHub: github.com/karthikurao Bengaluru, IN |
+91 88610 26163 | karthikrao672@gmail.com

PROFESSIONAL SUMMARY

Detail-oriented Full-stack Developer with a strong academic background (9.1 CGPA MCA) and hands-on experience in building scalable web, mobile, and AI-powered applications. Skilled in Java, Firebase, REST APIs, and modern front-end technologies. Successfully led project teams, developed Android apps, and implemented ML models for real-world problem-solving. Adept at collaborating in agile environments and passionate about delivering clean, efficient, and user-focused solutions.

EDUCATION

Master of Computer Applications - Dayananda Sagar College Of Engineering   *- Expected Sep 2025*

CGPA: 9.1

Relevant Coursework: SQL, AI/ML, Deep Learning, Android Development.

Bachelor of Computer Applications - DVS College of Arts, Science and Commerce   *- Sep 2023*

CGPA: 8.6

Relevant Coursework: DBMS, Web Development.

EXPERIENCE

Software Developer Intern - Dayforce India, Bengaluru IN   *Jul 2025 – Present*

- Developed and maintained backend services using ASP.NET Core, improving API performance through optimized database queries with Entity Framework.
- Built and integrated Razor Pages/Blazor components with backend APIs, ensuring seamless front-end to back-end communication.
- Collaborated in Agile sprints with cross-functional teams, delivering ASP.NET features within strict deadlines.

Software Engineer Intern - Gonagoor Technology Solutions, Bengaluru, IN   **Nov 2024 - Jan 2025**

Tech Stack: Java 23, Firebase, XML, Git

- Led a 4-member team in developing CareCrew, a volunteer networking Android app.
- Developed full-stack features including Firebase Auth, real-time DB, and RESTful APIs.
- Integrated Google Maps API to cluster 100+ hotspots, improving performance by 50%.
- Implemented chat with Firebase Cloud Messaging and skill-based match algorithms.
- Improved crash rate by 30% via automated testing.

PROJECTS

E-commerce Web Application (NonBeverages)   (GitHub)

- Built with PHP, JavaScript, MySQL; includes authentication, payments, admin dashboard.
- Handled 2K+ MAUs with secure session and REST API management.
- Boosted order volume by 35% through A/B testing.

Moodify: Emotion-Based Music App   (GitHub)

- Built using TensorFlow, OpenCV, React Native; detects facial emotion and recommends music.
- Achieved 67% accuracy on FER2013 and integrated Spotify API.
- Optimized model inference to <200ms/frame.

Deepfake Detection System [(GitHub)](GitHub)

- Developed CNN+LSTM model using ResNeXt on 100K+ video frames.
- Achieved 85% accuracy and 0.92 AUC on FaceForensics++ / Celeb-DF datasets.
- Built Django-based web interface for real-time and batch analysis.

CareCrew: Volunteer Network App [(GitHub)](GitHub)

- Android app using Java and Firebase to match volunteers by skill and location.
- Integrated Auth, Real-time DB, Notifications, and Offline Caching.
- Reduced API calls by 60% through hotspot clustering.

LinkShield AI: Malicious URL Detection Web App [(GitHub)](GitHub)

- Developed a serverless web app to detect phishing/malicious URLs using BERT.
- Achieved 60%+ detection accuracy with sequential deep learning models.
- Built React-based frontend for real-time scanning and reporting.

SKILLS

Programming: ASP.NET, Java, PHP, JavaScript, SQL

Web Development: HTML, CSS, Django, JSP, REST APIs

AI/ML: TensorFlow, OpenCV

Tools & Platforms: Git, Firebase, MySQL

CERTIFICATIONS

- Google Data Analytics Professional Certificate - Coursera, 2023: Applied Python and SQL to analyze 100K+ records; improved insights by 70%.
- Google Cybersecurity Professional Certificate - Coursera, 2024: Covered network defense, risk assessment,cryptography; 65% threat simulation accuracy.

INTERESTS & SOFT SKILLS

Anchoring, Singing, Public Speaking, Tech Blogging