

SHASHIKUMAR S

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EDUCATION

Maharaja Institute of Technology, Mysore

Bachelor of Engineering in Computer Science & Engineering

Dec 2022 – May 2026

CGPA: 7.83 / 10

EXPERIENCE

App Development Intern

Jan 2026 – Present

MindMatrixEd — E-Learning Providers, Bengaluru, KA

- Developing a **production-grade Android application** integrating **Generative AI** features to deliver personalized, industry-aligned learning experiences for engineering students.
- Built a **Live Currency Converter app** supporting **188+ global currencies** with real-time exchange-rate API integration, delivering **sub-second refresh rates** and packaged as a **cross-platform Android APK**.
- Leveraging **AI-powered content generation** to automate course recommendations, quiz creation, and adaptive learning paths, reducing manual content effort by an estimated **40%**.
- Architecting **modular, scalable app components** using clean code principles, improving maintainability and enabling rapid feature iteration across the platform.
- Collaborating with cross-functional teams to align app features with **real-world industry curriculum requirements** for 1,000+ engineering students.

App Development Intern

Jul 2025 – Aug 2025

TechnoHacks Solutions Pvt. Ltd., Mysore, KA

- Engineered **responsive, production-ready mobile interfaces** using **Flutter**, applying advanced state management and performance optimization techniques.
- Utilized **Android Studio** for end-to-end Android app development including debugging, emulator testing, and integration of platform-specific features.
- Applied advanced **Dart** concepts to build modular app architecture, reusable components, and clean code, reducing development time by **30%**.
- Delivered **2 fully functional mobile applications** within a 6-week internship cycle, meeting all project milestones on schedule.

PROJECTS

Camouflaged Object Detection (COD) | Python, S1Net V2, PyTorch, TensorFlow, CUDA Aug 2025 – Present

github.com/shashhii/COD | cod-769q.onrender.com

- Developed a **deep learning model using S1Net V2** to detect camouflaged objects in complex, low-contrast backgrounds with **high precision across 20,000+ training images** from CAMO and COD10K datasets.
- Trained for **100 epochs with CUDA acceleration**, achieving significant improvements in detection speed and segmentation accuracy over baseline models.
- Built a **complete computer vision pipeline** covering preprocessing, augmentation, segmentation, and performance evaluation — generalizes to **any image type** beyond training distribution.
- Deployed a **live web application** enabling real-time inference, with applications in **medical imaging, military surveillance, wildlife monitoring, and CCTV security**.

MERN Ecommerce App | MongoDB, Express.js, React.js, Node.js, JWT

2024

github.com/shashhii/MERN-Ecommerce-App

- Engineered a **full-stack e-commerce platform** with product listings, **JWT-based secure authentication**, shopping cart, checkout flow, and an **admin dashboard** for complete store management.
- Implemented **RESTful APIs** with Express.js and MongoDB, handling **end-to-end data flow** from product creation to order fulfillment with real-time inventory updates.
- Built a **responsive React.js frontend** with dynamic state management, reducing page load time and delivering a seamless shopping experience across all devices.
- Designed **role-based access control** separating admin and user permissions, ensuring secure and scalable multi-user operations.

TECHNICAL SKILLS

Languages:	Java, Python, C/C++, Dart, JavaScript, SQL, HTML/CSS, Kotlin, TypeScript
Frameworks:	React.js, Node.js, Flutter, Flask, FastAPI, Next.js, Tailwind CSS, Bootstrap
Dev Tools:	Git, Android Studio, VS Code, Docker, Firebase, AWS, Google Cloud Platform, Anaconda
Libraries:	TensorFlow, PyTorch, OpenCV, Pandas, NumPy, Matplotlib, Scikit-learn
Databases:	MySQL, MongoDB, PostgreSQL, Firebase Firestore

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 – Generative AI Professional	· Oracle Sep 2025	View
Oracle Cloud Infrastructure 2025 – AI Foundations Associate	· Oracle Aug 2025	View
Microsoft Azure AI Fundamentals (AI-900)	· Microsoft Jul 2025	View
Artificial Intelligence Fundamentals	· IBM Nov 2025	View
Docker Foundations Professional Certificate	· Docker Aug 2025	View
ChatGPT Prompt Engineering for Developers	· DeepLearning.AI	View
GenAI Powered Data Analytics Job Simulation	· TCS Aug 2025	View
AWS – Introduction to Generative AI: Art of the Possible	· Amazon Web Services	View
Software Engineer Certificate	· HackerRank ID: A38C53A2F519	View