

Harshit Kandoi

Full Stack Software Engineer | Google Associate Cloud Engineer (ACE)

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Profile

Full Stack Software Engineer with experience building cloud-native applications, event-driven systems, AI proof-of-concepts, and automation workflows using Python, Java, React, and GCP. Experienced in backend development, API integrations, production support, and translating customer requirements into practical technical solutions.

EXPERIENCE

ThoughtIn Solutions India Pvt. Ltd.

Gurugram, India (Remote)

Associate Software Engineer

Aug 2025 - Present

- Developed and supported full-stack business applications using React, JavaScript, Java, Python, and GCP across feature development, integrations, testing, and production support.
- Designed and implemented event-driven cloud workflows using Google Cloud Functions, Pub/Sub, and Firestore to automate business processes and data flows.
- Contributed to AI-focused proof-of-concepts and technical initiatives, translating business requirements into working prototypes and evaluating solutions for customer needs.
- Built an internal analytics and reporting tool to monitor customer engagement, retention, and supplier/retailer interactions, enabling teams to identify priority accounts, track business metrics, troubleshoot issues, and generate reports directly via email.

Software Engineer Intern

May 2025 - Aug 2025

- Built backend services and cloud-based workflows using Python and GCP to support scalable application development.
- Executed deployment automation using Docker, GitHub Actions, and API integration workflows across development and testing environments.

Anantagni Industries Pvt. Ltd.

Pune, India (Remote)

AI Intern (Computer Vision)

Apr 2025 - Jul 2025

- Built a YOLO-based computer vision solution for plastic waste classification, achieving ~75% detection accuracy on custom datasets.
- Created image processing and dataset workflows for model training, evaluation, and deployment.
- Curated and prepared 3,000+ plastic images across multiple material categories using automated web scraping with BeautifulSoup and Selenium, followed by labeling, augmentation, and dataset organization for model training.

PROJECTS

Local GCP Emulator (Firestore + Pub/Sub), [GitHub](#)

Jun 2025 - Jul 2025

- Initiated a local cloud development environment that simulated Firestore and Pub/Sub services for offline testing and debugging.
- Validated serverless workflows locally before deployment, reducing cloud dependency during development.

ASL Hand Sign Detection System, [GitHub](#)

Mar 2025 - Apr 2025

- Applied a real-time ASL recognition system for 26 hand signs with 90%+ accuracy using YOLOv5.
- Integrated webcam-based inference to enable live hand-sign detection and interaction.

Whisper Transcription Web Application, [GitHub](#)

Feb 2025 - Mar 2025

- Created a web-based speech-to-text application using Python, Flask, and OpenAI Whisper to automate audio and video transcription.
- Enforced file upload and transcription workflows that converted media content into structured text for analysis and documentation.

Movie Recommendation System, [GitHub](#)

Oct 2024 - Nov 2024

- Designed a recommendation engine using collaborative and content-based filtering techniques.
- Employed a web-based recommendation system using SQLAlchemy to generate personalized movie suggestions from large datasets.

EDUCATION

Birla Institute of Technology & Science (BITS, Pilani)

Distance Program

M.Tech. Artificial Intelligence & Machine Learning

Oct 2026 – Present

B.K. Birla Institute of Engineering and Technology, {CGPA: 8.35}

Pilani, India

Bachelor of Technology in CSE (Data Science)

2021 – 2025

Sarasvati Vidhya Peeth Sr. Sec. School, {GPA: 91%}

Sikar, India

Senior Secondary (PCMB)

2019 – 2021

SKILLS

Programming Languages: Python, Java, JavaScript, SQL

Frontend Development: React, HTML, CSS

Backend Development: REST APIs, API Integration, Flask

Tools & Collaboration: Git, GitHub, GitHub Actions, Jira, VS Code

Cloud & DevOps: Google Cloud Platform (GCP), Cloud Functions, Firestore, Pub/Sub, App Engine, Docker, CI/CD

Applied Technologies: Machine Learning, Computer Vision, Workflow Automation, Data Processing Pipelines, Model Deployment

CERTIFICATIONS

- [System Design Masterclass \(2026\)](#) | From [FAANG Insiders](#), Udemy
- [Software QA & Test Automation Engineering](#), Coursera
- [Google Associate Cloud Engineer \(ACE\)](#), Google Cloud
- [Docker Foundations Professional Certificate](#), Docker

Sep 2026

Jun 2026

Mar 2026

Aug 2025