



SARTHAK D. BHARAD

APPLIED COMPUTER SCIENCE (M.SC.)

REACH ME AT

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PROFILE

M.Sc. student in Applied Computer Science (Hochschule Schmalkalden) with hands-on experience in full-stack web development, game development (Godot Engine), IoT/embedded systems, and digital marketing. Proficient in Python, Java, JavaScript and TypeScript. Eager to contribute to software engineering teams and apply academic and project-based skills in a professional environment. Valid German residence permit; available immediately.

CAREER HISTORY

- Jan 2023 – Apr 2023 **Digital Marketing Intern, AppleTech Pvt. Ltd.**
Vadodara, India | Software industry, sector: IT
- Implemented digital marketing strategies across social media and email campaigns; analysed metrics and provided data-driven optimisation recommendations.
 - Collaborated with design and content teams to produce engaging marketing materials.
 - Developed a web portal (mypracteaz) for small to medium-sized hospitals and medical practices.
- May 2023 – Aug 2023 **Film Marketing Intern, Harfanmaula Films Pvt. Ltd.**
Ahmedabad, India | Film & Media industry
- Contributed to film marketing campaigns and promotional strategies for theatrical releases.
 - Supported digital content creation and distribution across social media platforms.
 - Assisted in audience engagement activities and brand awareness initiatives.

PROJECTS

- Jan 2026 **3D Platformer (Godot Engine)**
Personal Project | 3D Game Development | GDScript
- Developed a 3D platformer with responsive controls, coin collection, enemy AI and level progression across multiple levels.
 - Designed modular scene-based architecture with customisable assets and screenshot utility.
- Jan 2026 **Space Shooter (Godot Engine)**
Personal Project | 2D Game Development | GDScript
- Built a 2D top-down space shooter featuring enemy wave spawning, projectile physics, collision detection and progressive difficulty scaling.
 - Implemented player health, lives, score tracking and game-over logic with modular scene organisation for easy extensibility.
- Jan 2026 **Log Collector – BL602 IoT**
Personal Project | Embedded Systems / IoT | C / Python
- Built a real-time log collection system for BL602 IoT devices with multi-format data support and secure transmission.
 - Optimised for resource-constrained embedded environments with minimal memory footprint.

Jan 2026

EduSphere AI – Educational Platform

Personal Project | Full-Stack AI Application | Python / TypeScript

- Architected a full-stack AI-powered educational platform with Python backend (edusphere-ai-core) and TypeScript frontend (edusphere-ai-ui).
- Implemented RESTful APIs and AI integration for personalised learning experiences and automated content generation.

EDUCATION

Oct 2024 – Present

Schmalkalden University of Applied Sciences, Germany

Master of Science – Applied Computer Science CGPA: 3.02

Key modules: Software Engineering, Data Analysis, IT Project Management

Aug 2019 – May 2023

Ahmedabad University, India

Bachelor of Technology – Computer Science & Engineering CGPA: 2.17

Key modules: OOP, Web Technologies, Database Systems, Algorithms

TECHNICAL SKILLS

Languages

Python, Java, JavaScript, TypeScript, C, C++, GDScript, SQL

Web & Frontend

HTML, CSS, Tailwind CSS, WordPress, REST APIs, Responsive Design

Backend & Tools

Node.js, SQL/NoSQL databases, Git, GitHub, VS Code, IntelliJ, Linux

Game Development

Godot Engine, 2D/3D Game Design, Gameplay Systems, Physics, AI

Other

Android Studio, Figma, Data Analysis (Python), Machine Learning, IoT

EXTRACURRICULAR ACTIVITIES

May 2022 – May 2023

Social Media Manager, Film Appreciation Club

Ahmedabad University, India

- Managed social media presence and grew the club's online audience across Instagram and LinkedIn.
- Created and scheduled content for film screenings, discussions and club events; coordinated campaigns for screenings attended by 100+ students.

Aug 2020 – Nov 2020

Volunteer, HOL Foundation

Ahmedabad, India

- Supported digital literacy workshops for underprivileged youth.
- Assisted in organising community outreach events and volunteer coordination.

REFERENCES

Prof. Dr. Sanjay Chaudhary

Associate Dean

Ahmedabad University

[View Reference Letter](#)

Samir Joshi

Vice President, Marketing

AppleTech Pvt. Ltd., Vadodara

[View Reference Letter](#)

Prof. Dr. Jayendra M Bhalodiya

Assistant Professor

Ahmedabad University

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CERTIFICATIONS

- ✓ Mathematics for Machine Learning – Coursera
- ✓ Hadoop Platform & Framework – Coursera
- ✓ German A1 – Goethe Institut
- ✓ English C1 – IELTS

LANGUAGES

English	Fluent (C1 / IELTS)
German	Elementary (A2/B1)
Hindi	Native
Gujarati	Native