

SARTHAK D. BHARAD

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LinkedIn

🌐 Portfolio

EDUCATION

Schmalkalden University of Applied Sciences

Master of Science - Applied Computer Science - **CGPA: 3.11**

Oct 2024 – Present

Schmalkalden, Germany

Ahmedabad University

Bachelor of Technology - Computer Science and Engineering - **CGPA: 2.17**

Aug 2019 – May 2023

Ahmedabad, India

COURSEWORK / SKILLS

- Godot Engine
- Unreal Engine
- Fullstack Development
- Android Development
- 3D Content Creation
- Machine Learning
- Data Analysis
- Embedded System Design
- MS Office

PROJECTS

3D Platformer (Godot) ↗ | 3D Game Development

Jan 2026

- Developed a 3D platformer game in Godot Engine featuring responsive controls, coin collection mechanics, and enemy encounters across vibrant levels.
- Implemented core gameplay systems: character movement and jumping, collision detection, coin pickup logic, enemy AI, and level progression.
- Designed modular architecture with scene-based organization, customizable assets, and screenshot utility for extensibility and enhanced user experience.

Log Collector ↗ | IoT / Embedded Systems

Jan 2026

- Developed a log collection system for BL602 IoT devices enabling real-time data gathering and storage.
- Implemented efficient logging mechanisms with support for multiple data formats and secure transmission.
- Optimized for resource-constrained embedded environments with minimal memory footprint.

EduSphere AI - Educational Platform ↗ | Full-Stack AI Application

Jan 2026

- Architected and developed a full-stack AI-powered educational platform with separate Python backend (edusphere-ai-core) and TypeScript frontend (edusphere-ai-ui).
- Implemented RESTful APIs and AI integration for personalized learning experiences and content generation.
- Designed modular architecture enabling scalability and maintainability across microservices.

EXPERIENCE

AppleTech Pvt. Ltd. ↗

Jan 2023 – Apr 2023

Digital Marketing Intern

Vadodara, India

- Implemented digital marketing strategies across multiple platforms including social media and email campaigns.
- Analyzed campaign performance metrics and provided data-driven recommendations for optimization.
- Collaborated with design and content teams to create engaging marketing materials.
- Developed a comprehensive web portal (mypracteaz) for small to medium-sized hospitals and medical practices.

Harfanmaula Films Pvt. Ltd. ↗

May 2023 – Aug 2023

Film Marketing Intern

Ahmedabad, India

- 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.

TECHNICAL SKILLS

Languages: GDScript, Python, Java, C, C++, JavaScript, SQL, NoSQL

Game Development: Godot Engine, Unreal Engine, 2D/3D Game Design, Game Mechanics, Asset Integration

Web & Mobile: Next.js, Bootstrap, Figma, Android Studio, Responsive Design

Data Science & ML: Jupyter Notebooks, PySpark, Pandas, Machine Learning, Data Analysis

Developer Tools: VS Code, IntelliJ IDEA, Git, GitHub, Linux

CERTIFICATIONS

- Mathematics for ML - Coursera
- German A1 - Goethe Institut
- Hadoop Platform & Application Framework - Coursera
- English C1 - IELTS