SARTHAK D. BHARAD

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EDUCATION

Schmalkalden University of Applied Sciences **Oct 2024 – Mar 2026**
Master of Science - Applied Computer Science - ***CGPA: 3.11*** *Schmalkalden, Germany*

Ahmedabad University **Aug 2019 – May 2023**
Bachelor of Technology - Computer Science and Engineering - ***CGPA: 2.17*** *Ahmedabad, India*

COURSEWORK / SKILLS

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

PROJECTS

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.

Space Shooter (Godot) ⎋ | 2D Game Development **Jan 2026**
- Developed a fast-paced 2D space shooter game in arcade style using Godot Engine.
- Implemented core game mechanics: spaceship controls, asteroid collision detection, and highscore system.
- Utilized customizable assets and modular design for extensibility and future enhancements.

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