TYforge - AI, IoT, and VFX Innovation Studio

Founded by Patil Bhau - BSc CS, IoT Expert, AI Journalist, and 3D Artist - TYforge is a multidisciplinary tech studio combining Artificial Intelligence, Internet of Things, and Visual Effects to craft intelligent, creative, and scalable solutions. With a core team of 10 professionals (expandable up to 50), we design, build, and deploy full-stack systems that merge engineering with creativity.

Reference Projects & Websites

TYforge Official: https://tygorge.in
  - Central hub showcasing our AI, IoT, and 3D capabilities.

Bappa: https://bappa-iota.vercel.app/
  - A devotional-themed website with modern UI and smooth interactions.

SoulSpace: https://soulspace.tyforge.in/
  - A creative space for relaxation, design, and digital art display.

Product Guardian: https://productguardian.vercel.app/
  - AI-driven product analysis and protection system.

Guardian App: https://guardianapp.vercel.app/
  - Privacy and security web solution powered by AI.

DRS System: https://drs.tyforge.in/
  - Dynamic Result Management and SGPI Calculator for colleges.

Saravana Dosa: https://saravana-dosa-luxury-restaurant.vercel.app/
  - Luxury restaurant website with menu showcase and booking UI.

Types of Websites We Build

- AI-powered platforms
- E-commerce sites
- Educational systems (LMS)
- IoT dashboards
- Creative portfolios
- Contract analyzers

- Lost & Found systems

- AR/VR experiences

- Video-to-code tools

- Voice-enabled interfaces

AI Algorithms We Develop

- Speech & Text AI (Whisper, TTS, LLaMA)

- Fake News Detection & Verification

- AI-driven Code Extraction from Video

- Gesture Recognition

- Contract Risk Analysis

- AI Chatbot & NLU Systems

- OCR Document Understanding

- Recommendation Systems

- Smart Surveillance AI

- Multilingual Assistant Systems

IoT Devices & Robotics We Build

- Mini AI Talking Robots

- Voice-activated Assistants

- Smart Mirrors

- Gesture-based Controllers

- Smart Security Systems

- Health Monitoring IoT

- Agriculture Automation Bots

- Industrial Machine Monitors

Blender 3D & VFX Production

- Character Animation (e.g., Boxy)

- Full CG & VFX Compositing

- Product Visualization

- Architectural 3D Renders

- Short Film Production

- Simulation FX (smoke, cloth, fluid)

- Cinematic Lighting (Cycles)

- Virtual Production Scenes

TYforge combines advanced AI systems, IoT innovation, and cinematic 3D artistry - delivering intelligent, scalable, and visually stunning solutions for modern businesses.