

HIMANSHU AASHISH

SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Innovative and results-driven **Software Engineer** with extensive experience building scalable web applications, real-time multiplayer backend engines, and enterprise automation tools. Proficient across the **MERN Stack, Next.js, PHP, Python**, and cloud infrastructures (**AWS**). Expert in integrating cutting-edge **Generative AI frameworks** (LangChain, Ollama, AI Agents) to build autonomous, context-aware business systems. Backed by a B.Tech in Electronics & Communication Engineering, possessing a proven ability to lead complex software lifecycles from database design to high-throughput production deployment.

TECHNICAL SKILLS

Languages & Syntax: JavaScript (ES6+), TypeScript, Python, PHP, C++, SQL (PostgreSQL, MySQL), HTML5, CSS3

Front-End Engineering: React.js, Next.js, Redux Toolkit, Tailwind CSS, 3D Spatial Animations (Three.js), Responsive UI Design

Back-End & Architecture: Node.js, Express.js, MongoDB, Socket.io, RESTful APIs, Microservices Architecture, Database Schema Design

Cloud, DevOps & Automation: Amazon Web Services (AWS), GitHub Actions (CI/CD Pipelines), Git Version Control, Docker, Advanced Excel

Generative AI & Agentic Systems: LLM Integration (Ollama, OpenAI, Claude), LangChain Framework, Autonomous AI Agents, Prompt Engineering, Cursor IDE

PROFESSIONAL EXPERIENCE

Elisium Space Pvt. Ltd.

April 2025 – Present

Software Development Engineer (SDE)

Remote

- **Architected and launched an enterprise-grade HRMS Attendance Portal** (April 2026 live deployment) automating internal workforce tracking, shift logic, and analytical telemetry.
- **Designed and optimized NoSQL database schemas** and high-throughput REST APIs using Node.js and MongoDB, significantly reducing query latencies across production workloads.
- **Engineered responsive frontend dashboards** using Next.js and Tailwind CSS, improving operational execution efficiency and user engagement.
- **Integrated Generative AI workflows** and agentic frameworks into regular software development pipelines to automate structural refactoring and accelerate delivery timelines.
- Collaborated with cross-functional leadership to translate business specifications into securely provisioned, multi-tier microservices deployed natively on **AWS**.

TECHNICAL PROJECTS

COBRA - Strategy Based Card Game [LINK]

AWS, Node.js, Socket.io, Docker

Lead Systems & Backend Architect

Elisium Space Core Project

- Engineered the full backend ecosystem and real-time session tracking logic for a 6-deck strategy card game hosted natively on **AWS**.
- Constructed an event-driven synchronization layer using **Socket.io** to stream game state telemetry under strict low-latency constraints and enforced server-side state validation.

Real-Time Multi-Room Chess Platform

Next.js, Express, MongoDB, Socket.io

Full-Stack Engineer

Independent System Project

- Designed a unified shared database architecture from scratch to manage player match history, active rooms, and live profiles.
- Programmed matchmaking algorithms and state persistence routines to protect active session parameters during unexpected disconnections.

Interactive 3D / Spatial Engineering Portfolio

Next.js, Three.js Mechanics

Frontend UI/UX Lead

Personal Showcase

- Built an interactive web showcase featuring advanced mathematical spatial animations and 3D visual modules to display full-stack engineering achievements.

EDUCATION

Rustam Ji Institute of Technology (RJIT), BSF Academy

Graduation: 2026

Bachelor of Technology (B.Tech) – Electronics and Communication Engineering

Gwalior, MP

Shree Krishna International School

Bhubaneswar, Odisha

All India Senior School Certificate Examination (Class XII – Intermediate)