Ajay Rama Patgar

Aspiring Software Developer | Specialist Programmer | Penetration Tester

✉ ajaypatgar94@gmail.com

📞 +91 7892823981

in linkedin.com/in/ajay-patgar

○ github.com/ajay-patgar

◉ Gudekoppa, Holanagadde, Kumta, Uttara Kannada, Karnataka

tryhackme.com/p/ajay-patgar

Skills

Programming Languages:
JavaScript, TypeScript, Python, Java, C/C++, SQL, Bash

Database Technologies:
MySQL, SQL Queries, Joins, CRUD Operations

Tools & DevOps
Git, GitHub, Linux, Bash

Frontend & UI Technologies:
React.js, Next.js, HTML5, CSS3, Tailwind CSS

Core Concepts
Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Operating Systems, Networking, DBMS, Cyber Security

Web & Backend Development:
Node.js, Flask, REST APIs, Spring Boot, JWT Authentication, Express.js

Soft Skills
Documentation, Communication, Problem-Solving, Team Collaboration

Projects

Face-box : Real-Time Video Conferencing Platform 🔗

Next.js | WebRTC | Node.js | Tailwind | Stream | Clerk | JWT
- Built a full-stack video conferencing application enabling real-time P2P communication entirely in the browser.
- Integrated WebRTC to maintain under 200ms latency, improving real-time performance by 20–25%.
- Implemented secure JWT-based authentication using Clerk, ensuring protected session flows.
- Built a room management module supporting unique session IDs, enabling creation & management of unlimited meeting rooms.
- Utilized Stream for event handling, improving multi-user connection stability.

DragonFlix — Streaming Platform UI 🔗

React.js | REST APIs | CSS | JavaScript
- Designed a responsive UI that loads and displays 100+ movies and series using external REST APIs.
- Built dynamic filtering and search features for genres, trending titles, and top-rated content.
- Applied efficient state and component optimization to reduce unnecessary re-renders.

Music-App — Full-Stack MP3 Management System 🔗

Flask | MySQL | Python | HTML/CSS
- Built an end-to-end music management system supporting upload, play, search, and CRUD operations for 100+ MP3 files.
- Executed structured MySQL workflows to improve data management efficiency.
- Added search functionality that improved content accessibility by 40–50%.

Education

MCA
PES University , CGPA - 6.98

SSLC
BGS Central School Mirjan , Percentage - 76%

BCA
Karnataka University Dharwad , CGPA - 7.67

Pre University Education
Dr. A. V. Baliga College , Percentage - 71.83%