Prasanna Achar S E

+91 7019813818 | acharprasanna5@gmail.com / LinkedIn / Github | Portfolio

EDUCATION

Government First Grade College, Sagar   Shivamogga, Karnataka
Bachelor of Computer Application   *Nov. 2022 – June 2025*

PROFILE

Passionate Full Stack Developer specializing in microservices architecture using Spring Boot and modern frontend development with React. Currently building VStream — a distributed video streaming platform with secure authentication and video transcoding — while training as a Full Stack Java Developer at TAP Academy. Strong focus on learning by building real-world projects with production-level architecture.

PROJECTS

VStream | Spring Boot, WebFlux, JPA, JWT, FFmpeg, React, Resend API   Live / Github
A microservices-based video streaming platform (in development)

- Designed and implemented authentication using **Spring Boot + JWT** without Spring Security, enabling secure, stateless access across services.
- Built **Upload & Transcoding Service** using FFmpeg to automatically convert uploaded videos into multiple resolutions for adaptive streaming.
- Configured **API Gateway** with WebFlux global JWT filtering to validate user access before routing requests to internal services.
- Developed a React client for seamless login, upload, and video playback experience.
- Integrated **Resend** email service for OTP-based account verification, enhancing platform security and trust.
- Architected the system for future microservices expansion with plans for message-queue communication and horizontal scaling.

NotesHub | React, Appwrite, React Hook Form, TinyMCE   Live / Github
A cloud-powered (frontend focused) public note-sharing platform

- Built a responsive note-sharing web app where users can **create, publish, and explore public notes** in a clean content-focused UI.
- Integrated **Appwrite** for backend services including authentication, database, and file handling — with no server maintenance required.
- Developed rich text note creation using **TinyMCE editor**, enabling formatting, media embedding, and improved readability.
- Implemented efficient and accessible forms using **React Hook Form**, reducing input validation errors and improving usability.
- Leveraged Appwrite security rules to ensure published content is accessible publicly while user ownership remains protected.

TECHNICAL SKILLS

Languages: JavaScript, Java, Python, C, SQL
Frameworks: Spring, SpringBoot, express, prisma, JDBC, React.js, React-hook-form, Zustand
Developer Tools: Git, Postman, VSCode, IntelliJ

TRAINING

- TAP ACADEMY – Java Full Stack Developer (Ongoing)