

# Avilash Ghosh

## FULL-STACK DEVELOPER & UI/UX DESIGNER

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### PROFESSIONAL SUMMARY

Versatile full-stack developer and UI/UX designer with 6+ years of experience building and optimizing web applications for agencies, startups, and remote teams. Proficient in React, Next.js, Node.js, Python, and cloud platforms (AWS, GCP), with strong design skills in Figma and Adobe XD. Proven track record of solving complex technical challenges—from cloud cost optimization and data recovery to real-time messaging and livestreaming systems—across education, AI, e-commerce, logistics, and media industries.

### WORK EXPERIENCE

#### Software Development Engineer II (SDE-2) Fleapo · Kolkata, India

2021 – Present  
4+ years

- Led full-stack development across 10+ diverse digital products spanning education, AI, e-commerce, logistics, and entertainment sectors.
- Recovered corrupted mentor feedback data by backtracking database relations on Flute Gandharvas, preventing critical data loss.
- Optimized AWS infrastructure to reduce cloud costs by **80–90%** within 2 months through architecture improvements and resource tuning.
- Built real-time messaging and livestreaming modules for Fanfix, serving a growing creator-fan audience.
- Developed file and document upload module for AI Fiesta, enabling seamless file sharing with AI models.
- Designed and implemented a points-based e-shop feature on Flute Gandharvas, improving user engagement and monetization.
- Collaborated in cross-functional teams of 2–12, handling everything from architecture design to UI revamps.

### KEY ACHIEVEMENTS

- Reduced AWS cloud costs by **80–90%** within 2 months through targeted infrastructure optimization on Flute Gandharvas.
- Recovered corrupted mentor feedback data by reverse-engineering complex database relations, preventing irreversible data loss.
- Architected and delivered real-time messaging and livestreaming features for Fanfix with low-latency performance.
- Built a scalable file/document upload module for AI Fiesta, bridging user documents with AI models seamlessly.

### TECHNICAL SKILLS

#### FRONTEND

HTML CSS JavaScript  
TypeScript React Next.js  
Vue React Native

#### BACKEND

Node.js Express NestJS  
Python Django PHP Laravel  
Symphony GraphQL

#### DATABASE

SQL MongoDB

#### CLOUD & DEVOPS

AWS GCP Docker

#### DESIGN

Figma Adobe XD Photoshop

#### OTHER

C Java

### EDUCATION

**MCA — Computer Application**  
Siliguri Institute of Technology  
2022 – 2024 · GPA: 7.58 / 10

**BCA — Computer Application**  
Siliguri Institute of Technology  
2019 – 2022 · GPA: 9.51 / 10

**Senior Secondary (Class XII)**  
RKMV Deoghar  
2017 – 2019 · GPA: 8.0 / 10

**Secondary (Class X)**  
TIGPS Siliguri  
2015 – 2017 · GPA: 9.5 / 10

### INDUSTRIES

Education & E-Learning  
Artificial Intelligence & Tech  
Digital Content & Media  
E-Commerce & Retail  
Food & Beverage  
Logistics & Delivery  
Entertainment & Events  
Music & Creative Tools

- › Improved frontend code scalability and led UI revamp initiative on Flute Gandharvas platform.

## PROJECTS

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### Fanfix Creator Platform

- › Developed paywall-gated social media platform with sharing, commenting, liking, and infinite-scroll video feed.
- › Built realtime scalable messaging platform with file sharing, multimedia support, and full audio player controls.
- › Developed paid livestream capabilities and a complete realtime chat system built for high scalability.
- › Implemented AI moderation pipeline to filter user content and a DRM-style system to prevent unauthorised use of protected assets.

### Flute Gandharvas EdTech

- › Developed a script to remove data discrepancy from the database and restore correct data.
- › Migrated all videos from MP4 to WebM for improved streaming performance.
- › Refactored entity creation logic to be more granular, facilitating finer admin control.
- › Developed an achievements feed for user interaction and engagement.
- › Built an e-shop integrated with a third-party headless CMS, allowing users to purchase products by redeeming points.
- › Optimised and refactored redundant modules to reduce tech debt and improve DX.

### Stymconnect Music Tech

- › Developed and deployed a full-stack music versioning platform using Symfony.
- › Built version control system for music and stem files, with a cloud file storage solution for online storage.
- › Developed a complete file sharing system with public and private access controls.
- › Implemented realtime scalable messaging with file sharing and multimedia support.
- › Built a tier-based subscription system with monthly and annual access, plus a bulk file download system for large files.
- › Developed an audio player with full media controls; set up testing platform and stress tested all workflows.
- › Deployed the platform using Vercel and AWS services.

### AI Fiesta AI Platform

- › Developed multi-format file sharing capability, enabling users to share documents with different AI models.
- › Planned and restructured token logic and user limits across the platform.
- › Implemented RBAC with custom claims for more secure authentication and authorisation.

### Teetime Web Platform

- › Developed an internationalisation system for improved accessibility across user regions.

## LANGUAGES

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Bengali English Hindi

## INTERESTS

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Gaming Streaming Reading  
Swimming Singing Cricket  
Football Drawing Table Tennis

- ▶ Built an e-commerce flow with custom saved lists to store user preferences.
- ▶ Integrated Strapi headless CMS to deliver a fully functional blog system.
- ▶ Optimised and refactored redundant modules to improve DX and reduce tech debt.

## IWAA Awards

Events

- ▶ Developed a full administration platform using Ant Design component library.
- ▶ Built a dynamic form system for collecting award nominations.
- ▶ Developed a bulk file download system and a bulk PDF generation system for nominations.

## OTHER PROJECTS

Tagmango Level Up

Mio Amore

Recipe Cup

Zorro

ScentCraft

Shikkha