

AASTHA BHAT

Bengaluru, Karnataka, India | +91 9448979944 | bhat.aasthaa@gmail.com
github.com/AasthathecoderX | linkedin.com/in/aastha-bhat | [Portfolio](#)

SUMMARY

Full-stack developer (B.Tech, Information Science, CGPA 9.6) with three internships in AI/ML and backend automation, and production-style projects spanning microservices (Kubernetes, FastAPI, PostgreSQL) and applied NLP/ML (LegalBERT). Active open-source contributor to Layer5, with merged and in-review pull requests.

EDUCATION

Dayananda Sagar College of Engineering — Bengaluru, India

Bachelor of Engineering, Information Science and Engineering | CGPA: 9.6/10 | 2023–2027

SKILLS

Languages: Python, Java, JavaScript, C, C++

Backend & Infrastructure: Flask, Express, FastAPI, REST APIs, Kubernetes, Docker, RabbitMQ, Celery, Git

Databases: MySQL, MongoDB, PostgreSQL, Redis

ML/NLP: LegalBERT, NLP, generative AI workflows

Frontend/Mobile: HTML, CSS3, JavaScript, Kotlin

OS: Linux, Windows

EXPERIENCE

AI & Machine Learning Intern, Edunet–IBM - Dec 2025 – Jan 2026

- Built Paridhana, a generative AI fashion design tool that converts text and image inputs into outfit ideas with budget-based recommendations, cutting manual outfit-planning time by roughly 30–40% in internal tests.
- Built and tested Paridhana end-to-end across the generative AI pipeline (text/image input handling, generation, budget-based filtering), validating output quality with ~50–100 test inputs and ~80% satisfaction in a small pilot group.

Software Developer Intern, SwipeGen - Sep 2025 – Dec 2025

- Built and integrated an email automation module that sends training updates, reminders, and completion summaries to interns and mentors, cutting manual coordination effort by ~60% and sending 200+ automated emails per batch.
- Deployed the automated training-plan system into SwipeGen's existing onboarding process, reducing onboarding coordination time by ~30% across 10+ batches and improving consistency.

AI & Green Skills Intern, Edunet–Shell - Oct 2025 – Nov 2025

- Built SuryaVeda, a web app that predicts electricity consumption and estimates solar power generation using machine learning, reaching ~85–90% prediction accuracy on test energy datasets.
- Processed and analyzed energy datasets to train and integrate ML models into a user-facing interface, cutting manual forecasting time by ~50% for end users.
- Presented SuryaVeda as the capstone project for the Shell–Edunet AI and Green Skills internship to a panel of industry mentors.

PROJECTS

PriceLens - FastAPI, React, Kubernetes, Docker, PostgreSQL, Redis, RabbitMQ, Celery

- Architected and built a 5-service cloud-native microservices platform (Auth, Search, Tracking, Analytics, Scraper) with database-per-service architecture, JWT authentication, and asynchronous processing using RabbitMQ and Celery.
- Containerized 6 services with Docker, deployed on Kubernetes (2–8 replica autoscaling), implemented Redis caching, Prometheus/Grafana observability, and 30+ automated tests with GitHub Actions CI.

GitHub: github.com/AasthathecoderX/PriceLens

LegalBERT Contract Classifier - Python, Flask, LegalBERT, NLP, HTML/CSS/JavaScript

- Built an end-to-end legal document analysis application that classifies contract clauses and extracts legal entities using a fine-tuned LegalBERT model integrated with Flask.
- Achieved a best validation F1 score of 0.677 while monitoring training/validation loss and optimizing model performance across training epochs.

GitHub: github.com/AasthathecoderX/LegalBert-Contract-NLP-Classifier

College Timetable Generation System *Python, Tkinter, SQLite*

- Built a desktop application that generates clash-free timetables from course, faculty, room, and time-slot constraints, storing data in SQLite and presenting a Tkinter interface for scheduling staff.

GitHub: github.com/AasthathecoderX/College-Timetable-generation-system

Recipe Manager App - Kotlin, Java, Firebase

- Built an Android app for saving and organizing recipes, using Firebase Authentication and Firestore/Realtime Database to sync data across devices.

GitHub: github.com/AasthathecoderX/Recipe_Manager

KEY ACHIEVEMENTS

- Hackathon Team Lead — led a team to a Top 10 track finish and Top 40 overall placement out of 1,250 registered teams in a national-level hackathon, owning architecture through deployment under a fixed time limit.
- Open-source contributor, Layer5 — merged PR #325 (Exoscale Academy: fixed votingapp-3 image per Meshery design spec, addressed reviewer feedback) and PR #179 (in progress: fixing local rendering of Academy quiz content for learning paths and certifications). Also participated in SWOC, GSSoC, and Apertre 2.0 open-source programs.

CERTIFICATIONS

- Artificial Intelligence: Concepts and Techniques — NPTEL (IISc), Score: 90%
- Embedded Systems Design — NPTEL (IIT Kharagpur)
- Design and Analysis of Algorithms — NPTEL (IIT Madras)
- Database Management Systems — NPTEL (IIT Kharagpur)