







Abir Ganguly

Kolkata, West Bengal, India

 [dev-abir](https://github.com/dev-abir)  [dev-abir.github.io](https://github.com/dev-abir)  [gangulyabir777](https://github.com/gangulyabir777)  [abir-ganguly](https://www.linkedin.com/in/abir-ganguly)
 +91 6289562150  gangulyabir777@gmail.com

EDUCATION

Guru Nanak Institute of Technology <i>B. Tech, Computer Science and Engineering</i>	October 2020 – Present 9.44 (Semester average)
St. Xavier's Institution <i>Higher Secondary (ISC), Science</i>	Mar. 2018 – 2020 78.50%
St. Xavier's Institution <i>Secondary (ICSE), Science</i>	Mar. 2017 – 2018 91.40%

EXPERIENCE

Banga Sahitya Kutir <i>Backend Developer</i> Deployed Website	Aug. 2023 – Feb. 2024
<ul style="list-style-type: none">Implemented custom controllers, security and permission checks in a headless cms - strapiApplied Image optimization, searching, sorting and debounce in Next.jsUsed Django and HTMX (https://htmx.org/) with reactivity in multiple pagesImplemented SEO, backups, cron jobs, Image optimization, PWA, OAuth, E-Mail, captcha, payment and shipping integration, order tracking, cancellation and invoice generationDeployed on AWS EC2, S3 and Cloudfront for CDN	
JMD Web Studio <i>Backend Developer Intern</i>	Aug. 2022 – Dec. 2022
<ul style="list-style-type: none">Implemented backend of multiple apps like: Buzz and Academix in Express.js and Node.jsEnabled realtime communication and nearby user discoverability using socket.ioBuilt an admin dashboard using React.jsImplemented bulk chat selection and reporting for inappropriate content and emailIntegrated Razorpay payment gatewayDeployed projects to linux servers like AWS EC2	

PROJECTS

Rasoi <i>FastAPI, Tensorflow, React, Next.js, postgresql, Python, JavaScript</i> Source Code Deployed Site	Nov. 2023
<ul style="list-style-type: none">A website for engaging with recipes, search, explore and get recipe recommendations.Implemented image search using pgvector, feature extraction from image using MobileNetV3 model.Implemented a simple recommendation system, based on user's past engagements.Implemented search using ingredients utilising postgres array queries.Wrote the whole site in React / Next.js 14 app router with SSR and CSR, SEO, image optimization.Implemented simple JWT token authentication, auto generated swagger docs, recipes and recommendations REST API routes using FastAPI and deployed in AWS ec2.	
Chlorophyll <i>Flutter, Dart, Tensorflow, Python</i> Source Code	Nov. 2022
<ul style="list-style-type: none">A simple Plant disease detector APP, using image classification (Machine Learning) techniqueUsed the Plant Village dataset to train the model with 39 classes with augmentationThis app works offline, using a CNN model within the app itself	

PUBLICATIONS

Spring boot JWT authentication (auth0) with Swagger docs (springdoc)
My experience with a **headless CMS (Strapi)** – dev.to

CERTIFICATIONS

Joy of Computing Using Python NPTEL, IIT Madras	Jan 2021
Machine Learning with Python (with Hons.) Coursera	Apr 2023
AWS Cloud Technical Essentials Coursera	Feb 2024

TECHNICAL SKILLS

Languages: C, Java, Python
Technologies/Frameworks/Libraries: Django, React.js, Next.js