

Experience

Temporary Mail (My latest personal project)

https://email.ritik.app

AlgoExpert Certificate

https://certificate.algoexpert.io/AE-6b87897aa7

Knowmax

June 2023 - Present

Software Developer

2.0 years

- Developing **Knowmax** - A knowledge management tool. Deployment using Nginx, Docker, and Docker-compose.
- Created a **static site generator** called **self service** using **EJS** that can generate static sites using content from database. Static generation was recursive for some parts HTMX was used along with native HTML,CSS,JS. **Client Side search** , **Breadcrumbs** , **Recursive page generation** was key features of this module.
- Link to **sample static website**:
- Theme 1- Click Me -> https://pub-b22703a47268469cb3655f44df91ea1e.r2.dev/all/index.html
- Theme 2- Click Me -> https://pub-b22703a47268469cb3655f44df91ea1e.r2.dev/all-lsq/index.html
- This is also used to share the **client its data** when the client leaves the company and demands its data so we do not have to **share our database** and reveal our schema and other metadata. A zip is downloaded from **public s3 bucket** and sent to the client.
- Implemented **Next Auth** with oauth 2.0.
- Made Integrations with **Genesys** , **Freshdesk**, and **Zendesk** and Implemented **Keycloak** (an open-source identity management tool).
- Implemented a **QUIZ** module (having lots of features like auto-save) with an Admin panel for creating a quiz and a client panel for consuming quizzes.
- Set up **Nginx** to serve build and the dynamic part gets proxied to the Next server itself.
- Created **wrappers** that bridge between **legacy Knowmax** and **current Knowmax**.
- Implemented search using **typesense** (similar to algolia or elastic search).
- Made **SDK Iframe integration** for embedding knowmax into nearly anywhere with login.
- Implemented **caching** using **Redis** on the application server and NGINX on the edge layer to optimize performance, reduce server load, and improve response times for frequently accessed content.

Kochar Infotech

June 2022 - May 2023

Trainee Developer

1 year

- Knowmax Angular project upgrade from **Angular 7 to 13**. (6 major versions with material).
- Implemented **Pusher Beams** (is paid and close source but like socket but very lightweight).
- Setup **Nginx to reverse proxy** Nest backend APIs , and serve Angular static build.
- Implemented **Superset** for **analytics** on dashboard of Knowmax.

Personal Projects

Temporary Email Generator Website

https://email.ritik.app [Live Right Now]

- Setup of **Postfix** as SMTP server and **Dovecot** as IMAP server.
- Setup of the backend with **node imap** package and **Socket** to communicate efficiently with the frontend if a new email is received.
- React** app with the **socket** to get an email as soon as it is received on the server.

Key Projects / Involvements

My Website: https://ritik.app

LinkedIn: https://www.linkedin.com/in/ritik--bansal/

Github: https://github.com/ritikbansal | https://github.com/ritikkt

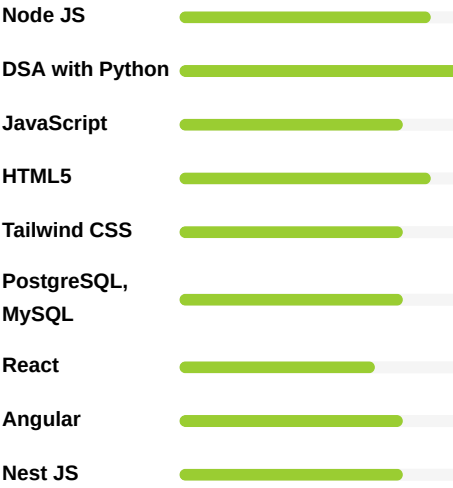
About me

A 2+ years of experienced full-stack developer , backend heavy (**Prisma**, **Postgres**, **MySQL** and **MongoDB**) with knowledge of libraries like **React**, **Next JS**, **HTMX**, **Tailwind CSS**, **Nest JS**, and Authorization frameworks like **OAUTH 2.0**. I can do both **Typescript** and **Javascript**.

Career Objective

So, I am a web developer who is always trying new technologies, deploying them to **Herkou** (Eco dynos) and **AWS** (free tier) , **Wasabi** for S3.

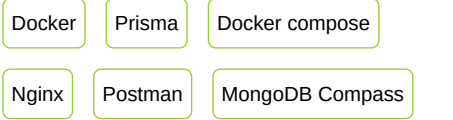
Technical Expertise



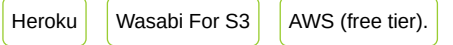
Skills / Exposure



Methodology / Approach



Tools



Education

College	2019-08 - 2023-08
Chitkara University	
B.Tech	9.9 CGPA
12th Standard	2018 - 2019
Non Medical	
Mukat Public School	85.4%
10th Standard	2016 - 2017
Mukat Public School	9.8 CGPA