Aditya Mehrotra

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EDUCATION

B.Tech Instrumentation and Control   New Delhi | May 2024
NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY

WORK EXPERIENCE

ADANI DIGITAL LABS | EXECUTIVE FRONTEND DEVELOPER   Gurugram | June 2024 – Present

- **Optimized Google's Core Web Vitals** (Largest Contentful Paint, First Input Delay, and Cumulative Layout Shift) to enhance user experience metrics, positively impacting search rankings.
- Conducted performance audits and utilized tools like **Google Lighthouse**, **PageSpeed Insights**, and **GTmetrix** to identify and address site performance bottlenecks.
- Implemented **Next.js server-side rendering** for creating crawlable pages, improving site visibility and search indexing.
- Developed and maintained **sitemaps** for better site structure and navigation.
- Developed a frontend application using **EJS** to control and customize data rendering on the server side.

JSW ONE PLATFORMS | SOFTWARE DEVELOPMENT ENGINEER INTERN   Mumbai | May 2023 – July 2023

- Designed and implemented an admin panel for managing different masters available in the system using **Next.js** and **TypeScript** to visualize data stored.
- Created custom front-end for **Rest API** which were used to perform **CRUD** operation on Products and Variants.
- Optimized the existing functions to decrease the Cognitive Complexity and created more readable functions.
- Setup pre-commit hooks using **Husky**, which lead to the Code-base having uniformity and ran **ESlint** before being pushed.

RAILTEL CORPORATION OF INDIA LIMITED | INTERNSHIP   Gurugram | May 2022 - June 2022

- Deployed and configured a **Microsoft SQL cluster**.
- Learned how to deploy a Windows fail-over cluster.

PROJECTS

DANK FOOTBALL WEBSITE ↗   REACT.JS, EXPRESS, NODE.JS, MONGODB, MATERIAL UI, JAVASCRIPT
Collaborated on a Full stack blog posting website for Football fans.

- In the site we developed a **working user login** and profile system.
- Site has the features to comment on blogs, view user profiles, posting blogs.
- Implemented **NoSQL** databases for efficient storage of user data and blog content, ensuring robust **scalability** and performance.

CLASSIFICATION OF DEEPFAKES USING CNN ↗   TENSORFLOW, KERAS, PANDAS, NUMPY, MATHPLOTLIB, PYTHON
Developed a Convolution neural network to classify AI-generated and real faces which were sourced from a GAN created by NVIDIA.

- Used Hyperparameter Tuning for best results.
- An accuracy of 98.9% was achieved

PORTFOLIO WEBSITE ↗   NEXT.JS, TAILWIND CSS, SHADCN, MONGODB
A portfolio website which showcases my past experiences, projects and skills.

- Access the github repository from this https://github.com/aditya-mehrotra/Portfolio

SKILLS

Languages: C++, Python, SQL, Typescript, Javascript, HTML, CSS
Web Development: Next.js, React, EJS, Vue.js, Nuxt.js JavaScript, TypeScript, HTML/CSS
Technology: Git, GitHub, AWS, NPM, Docker, MongoDB(NoSQL), MySQL(RDBMS)