

SHUBHAM JOSHI

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EXPERIENCE

Software Development Intern, Dispatch For You (Gravitii)

January 2024 - July 2024

- Led the transition from Next.js 12 to Next.js 14, improving application performance by **20%** and reducing page load times by **15%**.
- Migrated cloud infrastructure to AWS, utilizing services like Amplify, Lambda, S3 Bucket, and AWS Cognito, resulting in **30%** more efficient resource management.
- Integrated user authentication and management using AWS Cognito, increasing user onboarding speed by **25%**.
- Implemented RESTful web services for seamless communication between the front end and back end, improving data retrieval efficiency by **35%**.
- Technologies Used : Next Js, AWS-AMPLIFY, S3 Bucket, FastAPI, React.js , SQLite, Bootstrap.

PROJECTS

VIDEO CONFERENCING WEB-APP [Link](#)

Built with the latest Next.js, React Js and Typescript, a widely used video conferencing tool. It enables users to securely log in, create meetings and access various meeting functionalities such as recording, screen sharing.

- **Features:** Authentication, Meeting Controls, Schedule Future Meetings, View Recorded Meetings, Personal Room, Join Meetings via Link, etc.
- **Performance-** Optimized the application to reduce load times by **25%** and improve API response time by **30%**. Enhanced overall stability, reducing error rates by **15%** during high-traffic scenarios.
- **Tech Stack-** NextJs, Typescript, Clerk, getstream, shadcn, Tailwind CSS, Deployed on AWS Elastic Beanstalk.

NOTEMAKER (Notes Management Web App) [Link](#)

Developed a Web App for Notes management. Also made a chrome extension using ML model transformer and YouTube transcript API. This extension also allows users summarise the YouTube videos and save the summarised code in their account through a using the Web App.

- **Features:** Notes saving, User-Authentication, Database etc.
- **Tech Stack:** Flask, Express JS, ReactJs, Node JS, PostgreSQL, Hugging Face Transformer Model
- **Future:** Deploying it in AWS EC2 and using other AWS services like Cognito for user authentication and management, user data collection etc.

TECHNICAL SKILLS

- Web UI Frameworks: Next.js, React.js, HTML, CSS, JavaScript, Bootstrap, Tailwind CSS
- Back End and Database: Express.js, Node.js, FastAPI, MongoDB, SQL, AWS Amplify, Elastic Beanstalk
- Languages: C++, Python, C, JavaScript, TypeScript

COURSE-WORK

- Operating System, Machine Learning, Data Structures and Algorithms
- Computer Networks, Database Management System, OOPS

ACHIEVEMENT

- Reached finale of Bit'n Build Hackathon organised by CRCE Mumbai.
- Solved around 500 problems across different platforms like [LeetCode](#) and Codeforces
- Secured a rank of 4548 in Leetcode Weekly Contest 409

EDUCATION

Indian Institute of Information Technology, Tiruchirappalli, Tamil Nadu
B.Tech Major in ECE and Minor in CSE. CGPA: **8.3/10**

2021 - 2025

Jawahar Navodaya Vidyalaya, Nainital
CBSE 12th Percentage: **95%**

2013 - 2020