

Meet Patel

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Education

Birla Institute of Technology and Science, Pilani

Sept 2020 – May 2024

B.E. in Computer Science

Minor in Finance

- **Coursework:** Database Systems, Object Oriented Programming, Data Structures and Algorithms, Operating Systems, Compiler Construction, Design and Analysis of Algorithms, Cryptography

Experience

Associate Software Engineer Intern

Bengaluru, India

Digicert, Inc.

Jul 2023 – Dec 2023

- Enhanced platform security by implementing **IDOR attack** prevention mechanisms, while contributing to front-end development with *JavaScript/CSS* optimizations
- Implemented parallel Cypress test automation reducing E2E testing time by **90%** (3+ hours to 30 minutes)
- Developed shell scripts for YAML-to-JSON configuration management

Projects

Workout Tracker

github.com/patel-26meet/workout-tracker 

- Developed a full-stack fitness application featuring *user authentication* and *workout recommendations*
- Implemented a dynamic dashboard for *workout logging* and historical performance analysis
- Tools Used: React, Node, MongoDB Atlas

Binary Bishop - Chess Engine

github.com/patel-26meet/binary-bishop 

- Developed a chess engine, implementing algorithms like *Alpha-Beta pruning*, dynamic programming (implementing *transposition tables* and *zobrist hashing*) for **position caching**
- Developed a comprehensive chess evaluation algorithm incorporating *piece values*, *positional tables*, *mobility metrics*, and *space control factors* with distinct midgame/endgame weighting distinction.
- Tools Used: Python, python-chess

Discord Clone

github.com/patel-26meet/discord-clone 

- Developed a Discord clone featuring **real-time messaging**, and comprehensive **server/member management**
- Implemented functionalities such as *unique invite links*, *sharing of image/PDFs*, *real-time message editing* and *deletion*
- Tools Used: NextJs, Prisma, Clerk, Tailwind CSS, ShadcnUI, MySQL

Password Manager

Mar 2022 - Apr 2022

- Developed a password manager to *store*, *manage* and *encrypt* passwords
- Implemented functionalities such as *unique invite links*, *sharing of image/PDFs*, *real-time message editing* and *deletion*
- Tools Used: MySQL, NodeJs, React, Express

Technical Proficiency

Languages: React, Node, JavaScript, TypeScript, Next, C++, C, Java, Python,

Databases: MySQL, MongoDB

Testing frameworks: Cypress

DevOps Tool: Git

Position of Responsibilities

Gurjari Cultural Association, BITS Pilani

Sept 2022 - May 2024

President, Secretary

- Lead a team of **150+** members to organize 10+ events throughout the years
- Organized the biggest cultural event on campus with a **footfall** of **2000+** and generated **2 lakhs** of revenue