

RUCHIR DHANAWADE

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Education

Pune Institute of Computer Technology

Bachelor of Engineering in Computer Science and Engineering. CGPA : 9.60

2023 – Present

Pune, Maharashtra

Shri Gopal High School And Junior College

HSC, Class XII , 81.33%

2021 – 2023

Pune, Maharashtra

JSPM'S Blossom Public School

CBSE, Class X , 92.8%

2010 – 2021

Pune, Maharashtra

Projects

BrainCache – Second Brain for Smart Notes Management | *React (Vite), TypeScript, Node.js, Express, MongoDB*

Website Link

- Built a full-stack productivity tool that allows users to **capture, store, and categorize notes, files, and links**.
- Integrated **Google OAuth2.0 authentication** using Passport.js with session management and protected routes.
- Implemented **Cloudinary file uploads** with metadata detection and secure preview/download functionality.
- Used **Zustand** for state management, and designed a clean, modular UI with responsive previews for PDFs, images, tweets, and YouTube videos.

Pension Management System | *Javascript, NodeJS, ExpressJS, ReactJS, MongoDB*

- Built calculation algorithms for pension benefits using salary history, years of service, and scheme rules (Node.js, Express).
- Created React-based dashboards with role-based views (admin/employee) and application status tracking
- Designed interactive analytics dashboards using Chart.js
- Deployed JWT authentication with Roll Based Access and encrypted transactions

Technical Skills

- **Programming Languages:** Python, C++, JavaScript, SQL
- **Web Development:** HTML, CSS, JavaScript, React, Tailwind CSS, Node.js, Express.js
- **Database:** MySQL, MongoDB, Prisma ORM, PostgreSQL
- **Tools:** Git/Github, PostMan, Vercel

ExtraCurricular Activities

- **PASC Pulzion : Publicity , Events Coordinating Team**

Volunteered for **Pulzion**, PASC's annual tech event, as part of the **Publicity and Event Coordination team**. Contributed to social media outreach, on-ground promotions, and smooth execution of events and workshops. Collaborated with peers to enhance event visibility and participation. [\[Link\]](#)

- **INC 2025 :**

Coordinated the Competitive Programming event *Pradnya* at PICT's annual tech fest, Impetus and Concepts (INC), overseeing participant management, seating arrangements, and real-time assistance, ensuring a smooth and engaging experience for 500+ attendees. [\[Link\]](#)

- **Competitive Programming SIG :**

Organized and led a 3-day Special Interest Group (SIG) focused on learning Data Structures & Algorithms and Competitive Programming. Taught foundational and intermediate-level topics including problem-solving techniques, time complexity, and basic algorithmic strategies.

Achievements

- **CodeChef** – 3 star (max rating 1728).
- **Codeforces** – Solved Over 100+ Problems on the Platform with Pupil, (max rating 1240)
- **LeetCode** – Solved 600+ problems on LeetCode (max Rating. 1744).
- Achieved Runner Up position in Hack a Bit Competition Organized By Dy Patil Institute Of Technology.[**Certificate**]