Ranit Pal

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SKILLS

- **Languages:** C, C++, SQL, PHP, HTML, CSS, JavaScript, Java, TypeScript,Flutter
- **Frameworks:** React.js, Express.js, Node.js, MongoDB, PostgreSQL, TailWind CSS,Bootstrap
- **Coursework:** Algorithms Analysis, Operating System (OS), Data Structures, Networking, Database (DBMS), Software Engineering
- **Miscellaneous:** Linux, Shell (Bash/Zsh), Git, VsCode, Prompt Engineering, Firebase, Canva, Figma

PROJECTS

Room-Loo: Roommate & Pg Finder **|** *Flutter Firebase Dart Lottie-animation*   Dec 24' – present'
- **Designed and developed** an innovative **Flutter-based rental and PG finder app**, streamlining the process of property discovery and roommate search, leading to a **40% improvement in user engagement**
- **Implemented advanced filtering mechanisms**, enabling users to refine searches based on location, price range, and amenities, enhancing the search experience by **60%**.
- **Integrated Firebase services** for real-time property listings, authentication, and chat functionality, ensuring **seamless data synchronization and a 99.9% uptime**.
- **Enhanced user experience with dynamic UI/UX design**, featuring a **light/dark mode toggle, interactive property previews, and real-time chat**, driving **a 35% increase in app retention rates**.
- **Optimized application performance** through lazy loading, caching mechanisms, and Fire store indexing, reducing data retrieval latency by **50%**.

Fitness-Freak: Fitness tracker & guide Application **|** *Mern exercise-API*   Aug 24' – Nov 24'
- The promotional page includes gym plans, gallery, Trainers details also included features like nutrition checker, exercise finder and bmr checker for gym bros.
- Integrated a Daily Goals tracker to help users manage exercise quality and monitor progress effectively.
- Established MongoDB as the database solution, optimizing for quick retrieval and data management, ensuring response times under 100 milliseconds.
- Leveraged Node.js and Express.js for a high-performance backend, with API response times under 600 milliseconds.

ACHIEVEMENTS

- **Placed in Top-10** in a highly competitive hackathon hosted by Board Infinity, contributing to the development of **Code Forge**, a platform for organizing, hosting, and participating in hackathons, featuring an inbuilt compiler, team chat, payment gateway, file uploads, and more.
- Led a team of **100+ students** as the CEO of SWAT, an ORGANISATION for human & environmental wellbeing focuses on world peace
- Secured the 3rd position in **District Badminton Championship**

CERTIFICATIONS

Cloud Computing (*NPTEL*)   July 24' – Oct 24'
Gained foundational knowledge in cloud computing concepts and services.
The bits and bytes of network (Google)
Gained knowledge about the basics and advance of networking taught by the experts from google   Jan 24' – Feb 24'

EDUCATION

Lovely Professional University *(Phagwara, Punjab)*   2022-2026
Bachelor of Technology in Computer Science and Engineering, **CGPA - 8.61**

Bagdah High School *(Bagdah, West Bengal)*   2021-2022
Senior Secondary Schooling, **Percentage - 94.00**