

SYED SUHAAN

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Education

Manipal Institute of Technology

Bachelor of Technology in Electrical and Electronics Engineering

July 2023 – May 2027

Manipal, Karnataka

Jawahar Navodaya Vidyalaya, Prakasam 2

XII (CBSE), X (CBSE)

July 2014 – May 2021

Markapur, Andhra Pradesh

Technical Skills

- **Languages:** JavaScript, Go, Dart, Python, Java, C++, C, SQL,
- **Web Technologies:** React.js, Next.js, HTML5, CSS3, Tailwind CSS, JavaScript (ES6+), Node.js
- **Other Frameworks:** Flutter, Firebase (Auth, Firestore), REST APIs, Provider
- **Tools:** Git, GitHub, VS Code, Android Studio, Postman, Redis (Protocol)
- **Platforms:** Linux, Windows, Android, AWS (Basic), Firebase Cloud

Experience

InternLoom – App Developer Intern | *Flutter, Firebase, REST APIs*

March 2025 – May 2025

- Developed a responsive, cross-platform mobile app in Flutter serving over **1000+ active users** with 99.9% uptime.
- Reduced application load time by **45%** via Firebase query optimization and implementing lazy loading for large lists.
- Integrated **5+ third-party REST APIs** and implemented secure Firebase Authentication, handling **200+ daily logins**.

Projects

PassportPhotoIndia | *React.js, Node.js, MongoDB, Express, Tailwind CSS* 🔄

Nov 2025 – Dec 2025

- Achieved **sub-second interaction latency** and **100% server offload** for image manipulation by engineering a custom client-side processing engine using HTML5 Canvas.
- Expanded organic search reach for **50+ document types** (e.g., Visas, Passports) by implementing programmatic SEO and dynamic routing with React Helmet Async.
- Democratized access to professional ID photos by building a secure **MERN stack** platform featuring JWT authentication and a scalable MongoDB schema.

Radish (Redis in Go) | *Go, TCP/IP, Concurrency* 🔄

Oct 2025 – Present

- Developing a high-performance key-value store targeting **5,000+ RPS** with sub-millisecond latency.
- Implementing custom **RESP (Redis Serialization Protocol)** parser to process raw byte streams from TCP sockets.
- Engineering concurrent architecture to support **500+ simultaneous clients** using Goroutines and Mutexes for thread safety.

ERAS Protocol App | *Flutter, Firebase* 🔄

Aug 2024 – Oct 2024

- Digitized **20+ pages** of manual medical logs into a unified mobile dashboard, streamlining the recovery tracking process for cancer patients.
- Architected real-time synchronization engine using Cloud Firestore to update patient vitals with **sub-200ms latency**.
- Won **1st place out of 40+ teams** in App-A-Thon 2024 for developing a healthcare protocol app.

Achievements / Leadership

Competitive Programming | *Codeforces, CodeChef*

- Achieved **Specialist** rank on **Codeforces** (Max Rating: 1412) and secured top **5** rank in college [\[Link\]](#)
- Attained **3-Star** rating on **CodeChef** (Max Rating: 1653) and participated in **10+** live contests [\[Link\]](#)
- Secured Global Rank **2065** out of 5972 participants and AIR **886** in Round 2 of **Meta Hacker Cup 2025** [\[Link\]](#)
- Global Rank **89** in **CodeChef Starters 210 (Div 3)** and Rank **314** in **CodeChef Starters 213 (Div 2)** [\[Link\]](#)
- Global Rank **2338** in **Codeforces Round 1063 (Div 2)** and **2773** in **Codeforces Global Round 30** [\[Link\]](#)

Apple's Developer Group

December 2024 – Present

Management Committee Member

Manipal Institute of Technology

- Mentored **15+ junior developers** on Flutter best practices, resulting in the successful deployment of **3 student apps**
- Organized technical workshops on app development for **50+ participants**, increasing club engagement by **30%**