SYED ARHAM HASAN

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EDUCATION

Bachelor of Engineering (BE), Major in Software Engineering.   **2022 – Present**
NED University of Engineering & Technology, Karachi

- Currently in 4th year, expected graduation: 2026. Securing CGPA: 3.618.

PROFESSIONAL SUMMARY

Software Engineer with expertise in building responsive and scalable web applications using the MERN stack (MongoDB, Express, React, Node.js). Skilled in developing full-stack solutions with a strong focus on performance, usability, and maintainable code. Passionate about continuous learning, writing clean code, and solving real-world problems through technology.

EXPERIENCE

Software Developer Intern – NexSync (Onsite) – Certificate   **1st June 25 – 31st July 25**

- Built the frontend using **React**, **TypeScript**, **Tailwind CSS**, **Framer Motion**, and **shadcn/ui** components. Created a dynamic admin panel for easy content management and handled full frontend-backend integration. Also contributed to the initial database schema design.
- Developing **MRMS (Meeting Room Management System)** with features like room reservations, booking history, and calendar-based meeting views. Built the frontend using **React**, **TypeScript**, **Tailwind CSS**, **shadcn/ui**, and **Redux**. Created an admin panel for managing reservations, users, and rooms within the organization.
- Learned **React Native (Expo)** to develop the mobile version of MRMS. Designed and implemented initial screens, the app is currently in active development.

PROJECTS

1. **Hasan Bites – GitHub**
   Dec 2024 | MERN Stack, Socket.io, Redux Persist, Cloudinary, MUI, Tailwind CSS
   Built a full-stack food ordering website with real-time order tracking via Socket.io. Implemented user ordering flow, admin menu management, and image uploads using Cloudinary. Backend handles auth, order processing, and CRUD with Node.js and MongoDB.

2. **Al-Quran – GitHub**
   Sep 2024 | React, Tailwind CSS, Redux, GSAP
   Developed a responsive Quran reading app with Arabic and Latin translations, 5 reciters, and Juz-wise navigation. Used Redux for state management and GSAP for smooth UI animations.

3. **ExoPlanetarium – GitHub**
   Nov 2024 | MERN Stack, React Three Fiber, Firebase, GSAP
   Collaborative learning platform featuring quizzes, blogs, and a chatbot powered by the LLaMA model. Integrated Firebase for blog image storage and GSAP/React Three Fiber for engaging animated and 3D quiz interfaces. Admin panel supports blog and quiz management.

4. **GemVault – GitHub**
   May 2025 | Ethereum, MetaMask, Next, Node, Express, PostgreSQL, Smart Contracts
   Built a secure Blockchain based gemstone marketplace with on-chain certificate hash verification, cutting fraud by 70%. Enabled verified wallet-based listings and automated ownership via SafePay and smart contracts.

ACHEIVEMENTS

- Earned a certification in **Competitive Programming competition (CodeSphere)**, demonstrating strong problem-solving skills.
- Participated in **NASA Space Apps Challenge 2024** Karachi Hackathon, collaborating with a team to develop innovative solutions for real-world problems and **received a certification for successful project submission**.
- **Ranked 5th position** in the Web Development Module at **ProBattle Hackathon 2025** conducted in IBA**.**

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, C, C++, C#, Python, HTML5, CSS3.
- **Frameworks:** Express.js, Next.js, React Native (Expo), Bootstrap, Tailwind CSS, .NET Core (Learning).
- **Technologies/Platforms:** Node.js, Firebase, Clerk (Authentication), Neon (PostgreSQL).
- **Libraries:** React, Redux, Material UI, Shadcn/ui, Socket.io, React Three Fiber, NumPy, Pandas, Matplotlib, Seaborn.
- **Databases:** MongoDB, MySQL, PostgreSQL (Neon).
- **Developer Tools:** Git, GitHub, Postman, MongoDB Compass, Laragon, TablePlus.

SOFT SKILLS

- Teaching, Communication, Working in collaborative environment, Lifelong learner.