Muhammad Asim Chattha
Software Engineer

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EDUCATION

- **Air University** — Islamabad, Pakistan
  Bachelor of Science in Computer Science — *Sept. 2021 – July 2025*

TECHNICAL SKILLS

- **Languages**: JavaScript, TypeScript, Python, C++, Dart, Solidity, Bash, SQL

- **Front-End**: React.js, Angular, Next.js, HTML5, CSS3, Tailwind, Bootstrap, Material UI

- **Back-End**: Node.js, Express.js, MongoDB, SQL Server, Firebase, REST APIs

- **DevOps & Tools**: Docker, Git, GitHub Actions, Vercel, Netlify, Heroku, Nginx, PM2, Postman, Cloudflare, Linux, Firebase Auth, Swagger, JWT

EXPERIENCE

- **Iotascale (Internship)** — Islamabad, Pakistan
  Full Stack Developer Intern — *Jul 2023 – Sept 2023*
  - Developed *Weathery* – a weather forecast SPA using the MEAN stack.
  - Created REST APIs, integrated external weather APIs, and deployed on GCP.
  - Used Angular + RxJS for responsive frontend and MongoDB Atlas for database.

- **Fazaia Medical College (Internship)** — Islamabad, Pakistan
  Flutter Developer — *Jun 2023 – Sept 2023*
  - Built MOCA Test app using Flutter with GetX for state management.
  - Integrated Firebase for cloud data storage and analytics.

- **Freelance Software Developer**
  - Built web apps, admin panels, and mobile apps using MERN and Flutter.
  - Integrated JWT, Google Maps, payment gateways, and email/SMS APIs.
  - Worked with clients from healthcare, e-commerce, and education sectors.

PROJECTS

- **TheraLearn**
  - MERN stack-based cognitive assessment platform for children with Down syndrome.
  - Gesture detection, facial/voice recognition, and memory games.
  - Real-time tracking using MongoDB and React.

- **LapShop Ecommerce**
  - Full-featured MERN e-commerce app with product/user management.
  - JWT Auth, Admin dashboard, and cloud image hosting.
  - Responsive design with React, Node.js, and MongoDB.

- **NFT Marketplace**
  - DApp for minting, trading NFTs. Solidity contracts for ownership royalty.
  - Web3.js frontend with MetaMask integration.
  - Hardhat for testing and deployment.

- **Dappcord**
  - Blockchain-based Discord clone using Solidity and Web3.js.
  - Secure chat rooms, wallet login, decentralized hosting.
  - React.js frontend with ethers.js connection.

- **Blockchain Domain Buy/Sell**
  - Domain marketplace DApp built with Solidity, React, and Web3.js.
  - Supports secure transfer, auction, and wallet integration.
  - MetaMask login, decentralized ownership and history.

- **Counting Game (Speech Recognition)**
  - React.js-based interactive game to teach number counting.
  - Integrated Web Speech API for speech recognition.
  - Improves user's pronunciation and numerical cognition.