



MUHAMMAD AAYAN UL HAQ

SECOND YEAR UNIVERSITY STUDENT AT ASIA PACIFIC
UNIVERSITY

SUMMARY

Second-year Computer Science student at Asia Pacific University, specializing in full-stack web and mobile development. Experienced in building and deploying real-world applications using Flutter, Firebase, Node.js, and TypeScript. Passionate about AI tools, local LLMs, SAP ERP systems, and user-focused software. Actively seeking internship opportunities to apply practical skills in a professional environment.

CONTACT

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EDUCATION

Asia Pacific University | 2024-2027

- Bachelor of Science (Hons) in Computer Science | CGPA : 3.68/4.00
- Relevant Courses: Introduction to Databases, Introduction to Networking, Python, System, C Programming, Introduction to Artificial Intelligence, Object Oriented with Java, Data Structures, Mobile Application Engineering, System & Network Administration, Data Analysis, and Business Processes with SAP ERP

SKILLS

- **Languages:** Python, C, C++, Java, JavaScript, TypeScript, R, x86 NASM Assembly
- **Mobile & Web:** Flutter & Dart, Next.js, Node.js, HTML/CSS
- **Databases:** MySQL, MongoDB, Firestore, Supabase
- **Deployment:** Firebase, Vercel, Netlify
- **Data & AI:** R Programming, Botpress, Ollama (local LLMs)
- **Tools:** Git & GitHub, NetBeans, PyCharm, VirtualBox, REST APIs
- **Adaptability:** adopted entirely different tech stacks per project and module, from R and NASM assembly in coursework to SAP ERP in enterprise modules
- **Spoken Languages:** English, Urdu (Native) and Arabic (Very Basic)

PROJECTS

JARVIS – Local AI Desktop Agent | 2025 – Present (Not on Git)

- Built a voice-controlled AI assistant capable of controlling PC operations using local LLMs
- Integrates Qwen2.5:7b via Ollama for offline inference with no cloud dependency
- Features speech recognition (Faster-Whisper), text-to-speech (Kokoro), screen control (PyAutoGUI), and app automation (PyGetWindow, pycaw)
- Stack: Python · Ollama · Qwen2.5 · Faster-Whisper · Gradio · LangChain

AayanChat – Real-Time Chat Application | 2025 – Present

- Built a real-time chat PWA with live Firestore message sync and group chat support
- Firebase Auth for multi-user login, deployed on Firebase Hosting
- Stack: Flutter · Firebase Auth · Firestore · Firebase Hosting
- Live: <https://aayanchat-351ae.web.app/>

DevPulse – GitHub Analytics Dashboard | 2025 – Present

- Full-stack dashboard tracking repos, commits, push trends, and streaks
- Features user search, profile comparison, and activity timelines via GitHub API
- Stack: TypeScript · Next.js · Vercel
- Live: <https://devpulse-six-black.vercel.app/>

Local Newsforge – AI News Aggregator | 2025 – Early 2026

- AI-powered local news aggregator that surfaces relevant stories by location and keywords
- Stack: TypeScript · Next.js

SmartLearn – Adaptive Learning Platform | 2025 – Early 2026

- Role-based learning platform with quizzes, progress tracking, and a recommendation engine
- Supports 5 roles with governance workflows, audit logs, and a gamification system (XP, streaks, badges, leaderboard)
- Stack: Python · Next.js · TypeScript · MongoDB Atlas

EXTRA INFORMATION

- Led and organized a polaroid photo booth as Co-Curricular event leader, managing setup, team coordination, and on-the-day operations demonstrating leadership and event management skills
- Personal interest in AI/ML, local inference (Ollama), and game development (Godot, Pygame)
- Independently learned Next.js, TypeScript, and local LLM tools outside of coursework and deployed them in real projects
- Debugged complex full-stack issues across authentication, real-time sync, and API integration in personal projects
- Worked in group assignments using GitHub for version control, task delegation, and joint documentation under deadlines