

Aawaiz Ali

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Academic Qualification

2022 – Present: Bachelor's in Computer Science FAST - National University of Computer and Emerging Sciences (NUCES).

Technical Hands-on and Personal Skills

- **Programming Languages:** Python (primary), C/C++, Java, JavaScript, TypeScript – used across academic, web, and ML projects
 - **Machine Learning & AI:** Experienced with Scikit-learn, TensorFlow, Hugging Face Transformers, spaCy, and Q-Learning for implementing ML models and solving reinforcement learning tasks
 - **Data Science & NLP:** Applied NLP in both Urdu and English using spaCy and Transformers
 - **Web Development:** React.js, Next.js, Redux Toolkit, HTML/CSS, Tailwind CSS, Flask, and Node.js
 - **Database & Tools:** PostgreSQL, SQLite3, APScheduler, Parsdatetime, Git, Jupyter Notebooks
 - **UI/UX Design:** Adobe Photoshop, Illustrator, and Figma
 - **Database Management:** Skilled in SQL libraries such as PostgreSQL and SQLite3.
 - **Ongoing Learning:** Currently expanding expertise in Deep Learning (CNNs, RNNs, Transformers) through coursework and applied projects
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Work/Internship Experience

- **Teaching Assistant (Web Design)** – NED Academy (06/2023 – 08/2023)
 - o Assisted in delivering engaging and age-appropriate web design lessons to students aged 8-16, fostering their creativity and technical skills. (Adobe Illustrator, Adobe Photoshop, Adobe Dreamweaver, HTML/CSS)
 - **Frontend (React) Intern** – Miletap (06/2024 – 08/2024)
 - o Develop user interfaces for high-demand applications.
 - o Link frontend components to backend services.
 - o Enhance product usability and engagement.
 - **Software Quality Assurance (SQA) Associate** – Contract Role (07/2024 – 09/2024)
 - o Performed comprehensive testing for web and mobile applications.
 - o Identified, documented, and reported bugs to improve software quality.
 - o Provided recommendations for enhancements to optimize performance and user experience.
 - **Co-Founder & Development Team Lead** – Paltuu.pk (12/2024 – Present)
 - o Responsible for full-stack development and management of a team of talented individuals.
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Personal Projects

- **Urdu+English Voice-Based Journal & Reminder Assistant (05/2025)**
 - o <https://github.com/AawaizAli/Journal-Reminder-Assistant>
 - o Tech: Python, SpeechRecognition, spaCy, Hugging Face Transformers, APScheduler, gTTS, Parsdatetime
 - o Built a multilingual voice assistant for journaling and reminders with natural language input in both Urdu and English.
 - o Implemented speech-to-text, NLP parsing, sentiment analysis, and voice-based scheduled notifications
 - **Paltuu.pk - Pakistan's First Premier Pet Adoption Platform (12/2024)**
 - o <https://www.paltuu.pk>
 - o Tech: Next.js, PostgreSQL, Vercel, Railway, HTML/CSS, TailwindCSS, redux-toolkit.
 - o Developed a user-friendly platform for pet adoption with seamless browsing and fostering functionalities.
 - o Built a dedicated Vet Dashboard, enabling veterinarians to log in, manage profiles, and provide professional consultations.
 - **Sokoban Game Solver using Q-Learning (04/2024)**
 - o <https://github.com/AawaizAli/Sokoban-Game-with-Q-Learning>
 - o Implemented a Q-learning-based AI in C++ to autonomously solve Sokoban puzzles, optimizing moves through reinforcement learning.
 - o Designed an efficient state representation and reward system to improve learning convergence and solve complex levels
 - **Airline Management Web App (02/2024)**
 - o <https://github.com/AawaizAli/Airline-Management-Webapp>
 - o Tech: HTML/CSS, JavaScript, Python (flask, sqlite3, smtplib), SQL.
 - o A sleek user-side Webapp that handles hassle-free Flight Booking, Flight Management and Flight Cancellation, with a seamless database and attractive UI.
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Courses

- Learn React (12/2023 – 04/2024) – scrimba.com
- Front-End Development Libraries (08/2023 – 06/2024) – freecodecamp.org
- Complete A.I. & Machine Learning, Data Science Bootcamp (02/2024 – 04/2025) – udemy.com