

Abdul Rahman

📍 Lahore, Pakistan

✉️ abdurahman.abd.dev@gmail.com

☎️ +92 320 1002771

🌐 abd-dev.studio

🐙 github.com/abdxdev

🌐 linkedin.com/in/abdxdev

Education

University of Engineering and Technology, Lahore

Sept 2023 - Present

BS in Computer Science

- CGPA: 3.55/4.0

Technical Skills

- **Programming Languages:** Developed robust applications and scripts using Python, C++, C, JavaScript, TypeScript, SQL, and C#, gaining strong problem-solving and algorithmic skills across multiple paradigms.
- **Frameworks and Libraries:** Built scalable web and desktop solutions with Django, Flask, Streamlit, .NET, Tkinter, Reflex, Flet, React, and Next.js, learning to architect full-stack systems and user interfaces.
- **DevOps Tools:** Automated deployments and version control using Docker, Git, GitHub, GitLab, Vercel, Render, and Azure, which taught me best practices in CI/CD and collaborative development.
- **Databases:** Designed and managed relational databases with PostgreSQL, MySQL, SQLite, Microsoft SQL Server, and Access, deepening my understanding of data modeling, querying, and optimization.
- **Markup and Style:** Created responsive and visually appealing interfaces using HTML, CSS, Markdown, LaTeX, and Tailwind CSS, enhancing my skills in web design and technical documentation.

Experience

Backend Developer

2023 - Present

Freelance (Self Employed)

- Developed backend systems for clients using Django, Flask, and .NET, including REST APIs, web applications, and automation scripts.

Graphic Designer

2021 - 2023

Freelance (Self Employed)

- Directed and designed marketing materials for clients, including UI/UX design, branding, and social media content.

Projects

VSCode Extensions

- **AI Regex Search** (TypeScript, VSCode API, Gemini): Built a VS Code extension that lets users generate regular expressions from natural language and insert them directly into the search tool.
- **10x Pretender** (TypeScript, VSCode API): Developed a VS Code extension that simulates realistic typing from clipboard or AI-generated code, making code demos and presentations more engaging.
- **AI LaTeX Helper** (TypeScript, VSCode API, Gemini): Created an extension that converts plain English descriptions into LaTeX equations, simplifying the process of writing math in LaTeX.

Desktop Applications

- **Context Menu Plugin Manager** (Python, Flet): Developed a desktop app that allows users to manage and extend Windows context menus with custom Python plugins for enhanced directory actions.
- **AMOS** (C#, WinUI 3): Designed a modern restaurant management system enabling seamless order processing and administration for customers, managers, and admins.
- **Prize Bond Finder** (Python): Created a user-friendly desktop tool for efficiently managing, searching, and tracking prize bonds with a simple interface.

Web Applications

- **Odoo Lens** (TypeScript, Next.js): Built a web app that augments Odoo ERP with advanced analytics, search, and management tools for business insights.
- **Markdown Badge Generator** (Python, Streamlit): Developed a web tool for instantly generating and customizing markdown badges for project READMEs.
- **Recurrence Relation Solver** (Python, Streamlit, Sympy): Built a web tool for solving and visualizing mathematical recurrence relations using symbolic computation.