

Abdul Rahman

Software Engineer

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Education

University of Engineering and Technology, Lahore

BS in Computer Science

Sept 2023 — April 2027 (Expected)

- CGPA: 3.55/4.0

Technical Skills

- Programming Languages:** Python, C++, C, JavaScript, TypeScript, C#
- Frameworks & Tools:** Django, Flask, Streamlit, Flet, WinUI 3, Next.js, Docker, Git
- Soft Skills:** Effective Communication, Problem Solving, Collaborative Teamwork, Self-Directed Work Ethic, Leadership

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 & Integrations

- 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.
- Notes Maker** (Python, LaTeX): Built a Markdown-to-LaTeX PDF tool supporting diagrams, live code execution, custom syntax, and easy VSCode integration, producing publication-quality documents and academic notes.

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.

Web Applications

- Screenshoots** (JavaScript, Next.js): Built a tool to preview websites in device frames and generate styled screenshots and isometric galleries for polished portfolio and marketing assets.
- Odoo Lens** (TypeScript, Next.js): Built a web app that augments Odoo ERP with advanced analytics, search, and management tools for business insights.
- Virtual Student** (TypeScript, Next.js): Developed a prototype SaaS featuring an intelligent agent that planned study schedules, summarized material, and automated learning tasks to boost productivity.