

ABDUL RAFAY

Computer Science Student | AI & Web Developer | Software Engineer

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PROFESSIONAL SUMMARY

AI-focused developer and entrepreneur driven by solving real-world problems through technology. Founder & CEO of Ravexa AI, an AI-powered platform helping students and early-career developers become interview-ready, and Frontend AI Engineer at FlyRank AI. Published author of "A Man Who Could Never Say No," reflecting strong communication and storytelling ability alongside technical depth. Proven track record of building and shipping AI-driven products, winning two hackathons, and leading 200+ member engineering communities as Co-Director of IEEE NEDUET. Constantly developing hands-on AI and machine learning skills through applied projects, certifications, and continuous learning — seeking opportunities to build intelligent, impactful solutions at scale.

EDUCATION

Bachelor of Science in Computer Science & Information Technology

2024 – 2028

NED University of Engineering & Technology | Karachi, Pakistan

Artificial Intelligence & Data Science — Major: Machine Learning

2025 – 2026

SMIT Karachi (Saylani Mass IT Training) | Karachi, Pakistan

WORK EXPERIENCE

Frontend AI Engineer | FlyRank AI

July 2026 – Present

- ▶ Building and maintaining AI-integrated frontend features using React.js and modern JavaScript within a production engineering team.
- ▶ Collaborating with cross-functional teams to ship AI-powered interfaces and data-driven components.

Founder & CEO | Ravexa AI

2026 – Present

- ▶ Founded Ravexa AI to solve a problem faced by students and early-career developers every day — not knowing what to fix, what to learn, and how to actually get interview-ready.
- ▶ Built a platform that combines AI and real career insights to give users a clear path, measurable progress, and the confidence to land their next opportunity.

Junior Web Developer Intern | Aga Khan University

2 Months

- ▶ Engineered and delivered 3 fully functional web development projects within the internship timeline, demonstrating strong delivery capability.
- ▶ Collaborated cross-functionally with frontend and backend development teams on real-world production tasks.
- ▶ Implemented responsive UI components using React.js and JavaScript, integrating RESTful APIs to deliver dynamic data-driven features.
- ▶ Strengthened practical expertise in modern web development practices including component-based architecture and responsive design.

LEADERSHIP

Co-Director | IEEE NEDUET Student Society

2024 – Present

- ▶ Directed strategic planning and execution of engineering events, workshops, and technical seminars reaching 200+ student participants.
- ▶ Led cross-functional teams to coordinate logistics, speaker engagements, and community outreach initiatives.
- ▶ Strengthened organizational communication channels and fostered a collaborative engineering culture within the society.
- ▶ Represented IEEE NEDUET in inter-university networking events, building partnerships with industry professionals.

PUBLICATIONS & AUTHORSHIP

Published Author — "A Man Who Could Never Say No"

- ▶ Authored and published a full-length book, demonstrating strong creative writing, storytelling, and long-form content development skills.

PROJECTS

TalksyAI Web Platform

React.js, Node.js, AI APIs, JavaScript

- ▶ Built a conversational AI web platform enabling real-time natural language interactions, featuring dynamic session management and multi-turn dialogue support.
- ▶ Integrated third-party AI APIs and engineered a scalable backend with Node.js, achieving sub-second response latency.
- ▶ Designed an intuitive, accessible UI with responsive Tailwind-based layouts optimized for mobile and desktop users.

JARVIS AI Assistant

Python, NLP, Speech Recognition, APIs

- ▶ Developed a voice-activated AI assistant capable of executing system commands, fetching real-time data, and automating routine tasks using Python.
- ▶ Implemented natural language processing and speech-to-text pipelines to achieve accurate intent detection with 90%+ command recognition accuracy.
- ▶ Modular architecture enables easy extension of capabilities through plugin-style feature modules.

RafNab Solution — Business Website

React.js, JavaScript, CSS, Responsive Design

- ▶ Architected and deployed a professional business website with modern UI, animated sections, and a responsive multi-device layout.
- ▶ Optimized for SEO and web performance best practices, achieving fast load times and high Lighthouse scores.

Book Store Management System

Python, SQL, PostgreSQL, Backend

- ▶ Designed and implemented a full-featured bookstore management system with inventory tracking, search, and transaction management capabilities.
- ▶ Engineered a relational database schema in PostgreSQL supporting complex queries and reporting for business operations.

Shopping Application

C++, Qt Framework, OOP

- ▶ Built a feature-rich desktop shopping application using C++ and the Qt framework, featuring product catalog management, cart functionality, and order processing.
- ▶ Applied object-oriented design patterns (MVC) for maintainability and extensibility across application modules.

Employee Management System

C++, Qt Framework, Database

- ▶ Developed a desktop HR management application enabling CRUD operations on employee records, role assignments, payroll tracking, and report generation.
- ▶ Implemented a robust Qt-based GUI with form validation, data persistence, and role-based access controls.

TECHNICAL SKILLS

Languages: Python | JavaScript | C++ | HTML5 | CSS3 | SQL

Frameworks: React.js | Node.js | Three.js | Qt

Tools: GitHub | VS Code | PostgreSQL | REST APIs

Domains: Web Development | Frontend | Backend Integration | AI & Machine Learning

CERTIFICATIONS

- ▶ Coursera | Google AI Professional Certificate — 7 Courses Completed
- ▶ NED Academy | Ethical Hacking Certificate
- ▶ HP LIFE | AI Fundamentals Certificate

ACHIEVEMENTS & AWARDS

- ▶ Won 1st Place in two competitive Hackathons, delivering AI-powered and web-based solutions under time-constrained environments.
- ▶ Achieved Runner-Up position in an inter-university Hackathon, competing against 50+ teams with an innovative tech solution.
- ▶ Qualified for the STEM Talent Search program, recognizing exceptional aptitude in science, technology, and engineering.