

# Ubaid Bin Waris

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Islamabad, Pakistan

## PROFILE

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Motivated and adaptable Computer Science undergraduate at SZABIST University Islamabad (2025–Present) with a solid foundation in Programming, problem-solving, and collaborative teamwork. Experienced in thriving in diverse environments and working across disciplines, with a proven ability to take ownership of tasks, perform under pressure, and manage time efficiently through proactive planning and organization. Passionate about continuous.

## EDUCATION

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### SZABIST UNIVERSITY ISLAMABAD

Islamabad, Pakistan

*Bachelor of computer science*

- **Relevant Coursework:** Programming Fundamentals, Operating Systems, Software Project Management, Object-Oriented Programming (OOP), Database Management Systems, Web Development, Cloud Computing & AWS, Software Engineering, Artificial Intelligence & Machine Learning, Data Structures & Algorithms.

### Intermediate (FSC. General Science)

Islamabad, Pakistan

- Islamabad Model Postgraduate College H-8, Islamabad.

## PROFESSIONAL EXPERIENCES

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### Gixi Ai

Rawalpindi, Pakistan

*Full Stack Developer*

- Designed AI-powered automation systems and REST APIs.
- Managed AWS EC2 deployment, Nginx setup, SSL, DNS, and PM2 configuration.
- Implemented secure authentication, rate limiting, and optimized database queries.

### Blu Centric

Rawalpindi, Pakistan

*Full Stack Developer*

- Built full-stack applications using Next.js and SQL.
- Implemented JWT authentication and RBAC systems.
- Designed and documented scalable API architecture.

### HH Tech Hub

Rawalpindi, Pakistan

*Full Stack Developer*

- Developed responsive UI components and optimized performance & SEO.

### Higher Education Commission of Pakistan (HEC)

Islamabad, Pakistan

*Web Developer Intern*

- Contributed to frontend improvements and system documentation.

## PROJECTS

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### Online Doctor Appointment System

Developed a web-based platform enabling patients to book appointments with doctors based on availability and specialization. Included user authentication, appointment scheduling, and admin panel for clinic management.

### Gixiai Website

Developed a web-based platform enabling patients to book appointments with doctors based on availability and specialization. Included user authentication, appointment scheduling, and admin panel for clinic management.

## **Traydia**

Built a smart lighting system using sensors and microcontrollers to detect room occupancy and control lights automatically, improving energy efficiency and user convenience.

## **Lets Fix Home**

Created a system to track stock levels, manage product details, and generate alerts for low inventory. Enabled real-time updates for sales, purchases, and inventory reports to streamline store operations.

## **Reroom Ai**

Developed a web-based platform enabling patients to book appointments with doctors based on availability and specialization. Included user authentication, appointment scheduling, and admin panel for clinic management.

## **E-commerce Furniture Store**

Built a smart lighting system using sensors and microcontrollers to detect room occupancy and control lights automatically, improving energy efficiency and user convenience.

## **Quotes Market**

Created a system to track stock levels, manage product details, and generate alerts for low inventory. Enabled real-time updates for sales, purchases, and inventory reports to streamline store operations.

## **Contractor Website**

Built a dynamic website for contractors to showcase services, provide renovation solutions, accept project requests, generate invoices, schedule appointments, and manage client communications including rate discussions and chatbot support. Developed backend and APIs using Node.js and Java, implemented a comprehensive dashboard to track project progress, analytics, and secure user authentication, and handled complete deployment with server setup, configuration, and maintenance.

## **Real Estate Lead Management System**

Developed a centralized Property Management System (PMS) for Daya Properties Ltd to streamline property listings, tenant management, rent collection, and landlord reporting. Built using Node.js with secure authentication, automated billing, payment tracking, maintenance management, and operational dashboards for real-time insights. Implemented tenant and landlord portals, SEO and cloud deployment, and handled complete server setup, configuration, and security to deliver a scalable end-to-end solution.

## **HH Tech Hub Website**

Created a system to track stock levels, manage product details, and generate alerts for low inventory. Enabled real-time updates for sales, purchases, and inventory reports to streamline store operations.

## **Chatting App**

Developed a web-based platform enabling patients to book appointments with doctors based on availability and specialization. Included user authentication, appointment scheduling, and admin panel for clinic management.

## **AWS and DevOps Setup**

Handled complete cloud infrastructure setup, including EC2 provisioning, Ubuntu server configuration, SSH management, Nginx with reverse proxy, SSL installation, and domain DNS. Managed databases (Postgres), PM2 process management, log monitoring, and automated restarts. Implemented production optimization, security headers, CORS, rate limiting, and Fail2Ban for secure and stable deployments.

## **Co-Circular Activities**

Organizer – International Research Conference (IRC 2023).

## Automation & Workflow Engineering (n8n)

- Designed and deployed multi-step automation workflows using n8n.
- Built webhook-based and cron-triggered automation systems.
- Integrated third-party APIs using OAuth, API keys, and Bearer tokens.
- Developed lead capture and CRM synchronization workflows.
- Implemented data extraction, transformation, and upsert logic.
- Built email notification and conversion tracking automations.
- Configured production-ready n8n instances on Linux servers.

## Bot Deployment

- Developed API-driven automation bots with session handling.
- Built event-driven bots using webhooks and backend logic.
- Automated social media data extraction and posting workflows.

## SKILLS

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**Languages:** JavaScript, TypeScript, Java (Spring Boot), C, C++, SQL

**Frontend:** React.js, Next.js, Tailwind CSS, Responsive Design, Server-Side Rendering (SSR), Component-Based Architecture

**Backend:** Node.js, Express.js, Spring Boot, REST API Development, JWT Authentication, Role-Based Access Control (RBAC), Middleware Architecture

**Automation:** n8n, API Integrations, Webhooks, Cron Jobs

**Databases:** MongoDB, MySQL, PostgreSQL, Redis, Firebase, Supabase, Database Indexing, Query Optimization

**Cloud & DevOps:** AWS EC2, Ubuntu Server Administration, Nginx Reverse Proxy, PM2, SSL, DNS Configuration, Deployment Pipelines, Environment Management

**Security:** Authentication Systems, Secure HTTP Headers, Rate Limiting, CORS Configuration, Input Validation, Password Hashing, Production Optimization

## LANGUAGES

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**Urdu** Native proficiency

**English** Professional Working Proficiency

## COURSES

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- **Web Development:** Developed responsive and interactive web applications using HTML, CSS, and JavaScript with a focus on UI design and performance optimization.
- **C++ Programming:** Built a strong foundation in C++ programming, object-oriented concepts, and efficient problem-solving techniques.
- **Cyber Security:** Gained practical knowledge in computer networking, cloud computing, and ethical hacking, including designing a secure network and private cloud environment.