BIOGRAPHY
OF
MD. ZAHIDUL ISLAM SOHAN

Full Name	**Md. Zahidul Islam Sohan**
Academic Background	**PGDIT** (Information Technology), Jahangirnagar University (IIT), Ongoing (2025)
	MBA (Accounting), Government Titumir College, 2023
	BBA (Accounting), Government Titumir College, 2018
	Web Programming (PHP/MySQL), Dhaka University (IIT), 2019
Present Position	**Software Engineer (PHP Laravel)** Experienced in PHP (Laravel), JavaScript, jQuery, MySQL, React.js, Next.js, Django, web scraping, browser extensions, and WordPress plugin development — with hands-on work across various CMS and frameworks **Thesoftking Limited**.
Experience	**Software Engineer (PHP Laravel)** Thesoftking Limited (Oct, 2020 - Present)
	Software Developer (Java - Spring Boot) MerinaSoft (July, 2020 - Sept, 2020)
	Former Accounting Teacher (Accounting, Finance, Management) Various Coaching Centers, Mirpur, Dhaka (2016 – 2018)

BIOGRAPHY OF Waliullah

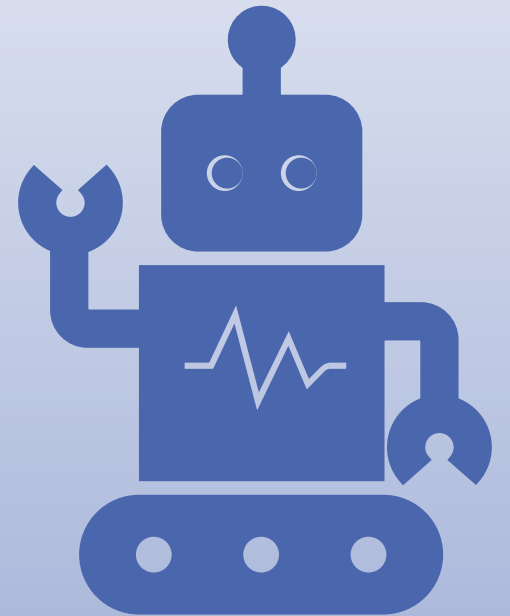|	
Full Name	**Waliullah**
Academic Background	**PGDIT** (Information Technology), Jahangirnagar University (IIT), Ongoing (2025)
	M.A, Humanities (2014-15). Govt. Madrasah-E-Alia, Dhaka, Bangladesh. under Islamic University, Kushtia
	Diploma in Enterprise Systems Analysis and Design – C#.NET (ESAD-CS) under **IsDB-BISEW IT Scholarship** (2016), Dhaka, Bangladesh
Present Position	**Manager, Software Business**
	Leadership & Strategy: Lead and mentor a high-performing software development team while driving architecture planning and technical decision-making.
	Full-Stack Development: Design, develop, and maintain modern applications using ASP.NET Core MVC/API, HTML5, CSS3, JavaScript, Bootstrap, jQuery, Angular.
	Cloud Solutions: Architect and implement Azure IaaS & PaaS solutions, optimizing performance, security, and cost efficiency.
	Microsoft Ecosystem Integration: Develop and integrate solutions with SharePoint, Power BI, and Power Platform at **Corporate Projukti Ltd**
Experience	**Asst. Manager, Software** [July-2024, Feb-2025]
	Software Engineer [Jan-2021, Dec-2021]
	Jr. Software Engineer [Jan-2018, Dec-2020]
	Trainee Software Engineer [Feb-17, Dec-17]
	at the same company, I have been working since 2017.

JusLab - AI-Powered PGDIT Assistant (Custom chatbot for PGDIT program)

Objective:

To develop an interactive AI chatbot tailored for the PGDIT program, providing instant, accurate responses to program-related queries (curriculum, admissions, schedules, faculty) and guiding users through multi-step processes.

Purpose:

✓ Enhance user engagement by offering quick, streamlined access to PGDIT information.

✓ Reduce administrative workload by automating common queries.

✓ Provide 24/7 instant responses to user questions.

Background & Problem Statement

Background

✓ Digital transformation in education demands instant, automated support.

✓ Traditional methods are slow and inefficient.

✓ **JusLab**: An AI chatbot for Jahangirnagar University's PGDIT program, enhancing information access and student support.

Problem Statement

• Students struggle to get timely, accurate program info (admissions, curriculum, faculty).

• High admin workload due to repetitive queries.

• No 24/7 support available.

• **Solution**: JusLab automates responses, reduces delays, and improves student satisfaction.

Scope & Limitations

Scope

- Target: PGDIT students at JU.
- Info: Admissions, curriculum, faculty, FAQs.
- Platform: Web-based chatbot using |API.

Limitations

- No real-time database integration.
- Limited to English.
- Cannot execute complex transactions.
- Knowledge restricted to PGDIT domain.

Importance of Study

For Students: 24/7 instant support, better experience.

For Admin: Reduces workload, improves efficiency.

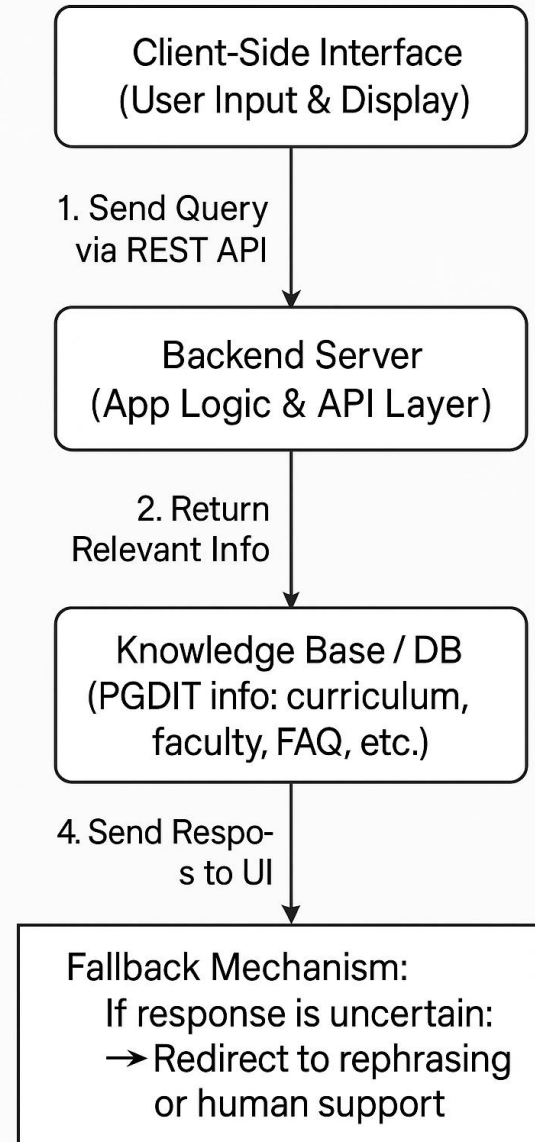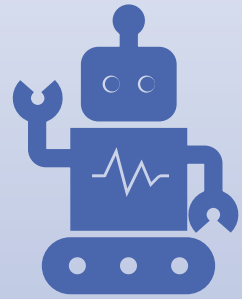**For JU:** Modernizes education support, attracts students.

For Program: Helps to improve program quality.

Workflow Diagram

Client-Side Interface
(User Input & Display)

1. Send Query
via REST API

Backend Server
(App Logic & API Layer)

2. Return
Relevant Info

Knowledge Base / DB
(PGDIT info: curriculum,
faculty, FAQ, etc.)

4. Send Respo-
s to UI

Fallback Mechanism:
If response is uncertain:
→ Redirect to rephrasing
or human support

Thank you