Shakawat Hussen Tuhin

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I am a Computer Science Engineering student with expertise in Python, Oracle SQL/PL-SQL, and IT support, eager to contribute to an IT internship with test automation (Pytest, Postman), device setup, and first-level support. Used IT help desk experience at Shabuj Global Education to troubleshoot issues and support users, passionate about teamwork and continuous learning in a multinational environment.

EDUCATION

University of Pécs | Computer Science Engineering Sep. 2022 - Jan. 2026, *Pécs,Hungary*

- Eligible for internship requirements
- Studied databases (Oracle SQL, PL/SQL, MSSQL), software testing, and web development.

SKILLS

Testing & Automation: Pytest (unit and integration testing), Postman (API testing).

Application Development: Oracle SQL & PL/SQL (procedures, triggers for database automation), Python, JavaScript, C#, Java.

Databases: Oracle(advanced SQL, PL/SQL), MySQL, MSSQL (T-SQL), PostgreSQL.

Framework and Libraries: Flask, FastAPI, Django, Svelte, React.Js, Spring Boot

Tools: Git, Postman, PyCharm, VS Code, SQL Management Studio, Oracle SQL Developer, Linux command-line.

Service Desk Tools: ServiceNow.

Collaboration: Technical documentation, Git-based teamwork.

AI & Machine Learning: Generative AI principles & models, Natural Language Processing (NLP), Large Language Model (LLMs), Machine Learning Frameworks (TensorFlow, PyTorch), Speech to Text & Text to Speech (TTS), Low-Resource Language Processing, Building custom datasets for LLMs (for Sylheti language translation), Vector Databases for NLP.

PROJECTS

Chatbot | FastAPI, OpenAI: Developed a chatbot using FastAPI and OpenAI's GPT-3.5-turbo API, focusing on backend integration, prompt engineering, and basic *logging/error* handling. Tested with *Pytest* and *Postman*, with a setup guide in the README. Demo | GitHub

Bachelor's Thesis | PWA, NLP, Oracle: Developing a progressive web app with real-time translation and speech synthesis for *Sylheti, Bengali, and English,* using *PyTorch* and *Oracle databases*. Implemented *PL/SQL* procedures and triggers for efficient data management and *logging*, showcasing Oracle application development and backend expertise.

MIK Hub website | Python, Svelte: Developed the **MIK Hub** website using *Python & Svelte* to serve as a central platform for engineering students at the University of Pécs, providing resources, event updates, and academic support. GitHub

URL Shortener | Python: Created a URL shortener, tested with Pytest and Postman, adaptable to MySQL/PostgreSQL, with a setup README. Demo | GitHub

YouTube Channel Analytics Dashboard | SvelteKit, Node.js: Created a SvelteKit dashboard using YouTube API and Chart.js for channel analytics, tested with Postman, with Node.js for history storage. GitHub

Car Service Application | C#: Developed a C# application for managing car service records, appointments, and customer data, incorporating scheduling, service tracking, and data storage with object-oriented principles. GitHub

Experience

IT Help Desk Support | Shabuj Global Education, Sylhet Branch
2021-2022 | Sylhet, Bangladesh

- Helped staff fix computer, software, and network problems via phone and email, learning IT support skills.
- Set up laptops and user accounts for new employees, assisting with onboarding.
- Wrote guides for common tech issues, creating a help resource for the team.

Leadership & Activities

Founder, MIK Hub | Faculty of Engineering and IT
2024-Present | Pécs, Hungary

- Started a platform for engineering students, setting up tech for workshops, organizing projects, and writing user guides.

Mentor Selector (2024-2025): Selected mentors for the Stipendium Hungaricum Mentor Network and the International Mentor Program at the University of Pécs, ensuring a supportive environment for international students. certification

Stipendium Hungaricum Mentor (2024-2025): Provided guidance and mentorship to Stipendium Hungaricum students at the University of Pécs, assisting with academic and social integration. certification

International Mentor, University of Pécs (2023-2024, 2024-2025): Mentored new international students at the University of Pécs, offering support in adapting to university life and fostering a welcoming community.

LANGUAGE

Bangla - Native

English - Fluent

Hungarian- Beginner