Shakawat Hussen Tuhin

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My journey in the world of technology has been nothing short of exhilarating, and I'm on a mission to grow into a skilled Software Engineer with a focus on data automation and visualization. As a Computer Science Engineering student at the University of Pécs, I excel in Python and SQL, with strong skills in Tableau and automation, building efficient software solutions. At an IT Help Desk, I configured user-focused systems and documented processes, honing my technical and problem-solving skills.

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.

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.
- Managed multiple support requests daily, prioritizing tasks to ensure timely resolution in a fast-paced environment.

SKILLS

Business Intelligence & Visualization: Tableau; designing user-focused visualizations for reporting and communication, Chart.js (data visualization).

Programming: Python, Javascript, C#, Java.

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

Databases: Oracle(advanced SQL, PL/SQL), MySQL, MSSQL (T-SQL), PostgreSQL(experienced with ETL workflows)

Testing & Automation: Pytest (unit and integration testing), Postman (API testing), Python(experienced in scripting; learning python-pptx for presentation automation)

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

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.

Collaboration: Git-based teamwork, explaining technical concepts, mentoring.

PROJECTS

Tableau Dashboard: Created a sample dashboard using *Tableau* to visualize mock sales data, focusing on user-friendly design and interactivity.

Chatbot | FastAPI, OpenAI: Configured a chatbot with FastAPI and OpenAI's GPT-3.5-turbo, tested with Pytest/Postman, optimizing user interaction flows. [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. [GitHub](#)

YouTube Channel Performance Tracker | SvelteKit, Node.js: Built a SvelteKit dashboard with YouTube API and Chart.js for channel analytics visualization, tested with Postman. [Demo](#) | [GitHub](#)

Leadership & Activities

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

- Launched a platform to enhance digital communication and resource sharing among IT students, fostering collaboration.

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.