

Shakawat Hussen Tuhin

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I am a Computer Science Engineering student with expert-level Python skills, proficiency in AI development, and experience with Spring Boot 3.x, JPA, and REST APIs. I bring strong problem-solving and collaborative abilities.

EDUCATION

University of Pécs | Computer Science Engineering

Sep. 2022 - Jan. 2026, **Pécs, Hungary**

- Corrected Credit Index: 4.83 (2024/25/2, 2024/25/1) **Semester Average: 5.0**

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.

PROJECTS

Full-stack Job Search App | Svelte, Django REST API, NLP: A full-stack web application streamlining job searches with Svelte frontend, Django REST API backend, and NLP for resume analysis and job matching, featuring secure authentication and a mobile-friendly UI. [GitHub](#)

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, PostgreSQL: Developing a PWA with NLP for real-time translation and speech synthesis (Sylheti, Bengali, English) using OpenAI Whisper, PyTorch, and Google TTS, addressing digital gaps for low-resource languages. Utilizes PostgreSQL for data management. [GitHub](#)

Online Course Platform | Spring Boot 3.x, JPA (H2), Thymeleaf, REST: Developed a web application for managing online courses using Spring Boot 3.x with JPA (H2 memory database) to handle OneToOne, OneToMany, ManyToOne, and ManyToMany relationships (e.g., Course-Student, Instructor-Courses). Features a secure Thymeleaf interface with home menu and CRUD for courses, plus a REST CRUD API for all entities (JSON-based). [GitHub](#)

SKILLS

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.

Programming: Python, SQL, JavaScript, Java

Web Design: HTML, CSS, Bootstrap, Tailwind, Svelte

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

Databases: Oracle, MySQL, MSSQL, Advanced SQL, T-SQL

Cloud: Basic experience with deploying applications on platforms like Vercel, Render

Communication & Problem-Solving: Excellent written and verbal communication skills, with the ability to clearly explain complex technical concepts to both technical and non-technical audiences. Skilled in identifying challenges, analyzing data, and delivering innovative solutions within collaborative team settings.

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.