



Shaghil Shahzad

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EDUCATION AND TRAINING

BSc Environmental Engineering

Hungarian University of Agriculture and Life Sciences [09/2020 – 12/2023]

City: Gödöllő | Country: Hungary | Final grade: 4.89/5 | Level in EQF: EQF level 6 | Type of credits: ECTS | Number of credits: 216 | Thesis: Ammonia and Greenhouse Gas Emissions from Organic Manure Composting: The Effect of Membrane Cover

RESEARCH EXPERIENCE

[07/2024 – 11/2024]

Researcher (part-time) at Centre for Circular Economy Analysis, Hungarian University of Agriculture and Life Sciences

- Conducted literature research and collected case studies on collection, treatment and recovery of organic waste in military bases and barracks; and potentially hazardous toxins in soil.

[02/2023 – 12/2023]

Student Researcher (Bachelor Thesis) at Prokomp Környezettechnika Zrt., Gödöllő, Hungary

- Executed industry-scale experiments to assess the efficacy of membrane covers during the composting process.
- Collected and analyzed emission data using advanced statistical methods.
- Investigated the comparative effectiveness of ProfiCover® and ePTFE membrane covers in minimizing emission and nitrogen retention

[06/2022 – 09/2022]

Research & Development Intern at UTB Envirotec Zrt., Budapest, Hungary

- Worked with the Innovations team to design, test and optimize processes used in production.
- Optimized processes for efficient Volatile Fatty Acid (VFA) production from Aerotherm Technology (a proprietary anaerobic digestion process) in EPST - WWTP Facility.
- Effectively mitigated the issue of high hydrogen sulfide (H₂S) gas production.

PUBLICATIONS

[2024]

Ammonia and Greenhouse Gas Emissions from Organic Manure Composting: The Effect of Membrane Cover

Varga ZI, Shahzad S, Ramay MW, Damak M, Gulyás M, Béres A, Gyuricza C, Székács A, Aleksza L. Ammonia and Greenhouse Gas Emissions from Organic Manure Composting: The Effect of Membrane Cover. *Agronomy*. 2024; 14(7):1471

Link: <https://doi.org/10.3390/agronomy14071471>

WORK EXPERIENCE

Business analyst

Renew Technologies Kft. [01/2024 – Current]

City: Budapest | Country: Hungary | Website: <https://www.renewtech.co/>

- Optimizing e-commerce store of the company that sells worlds-first household cleaners made from recycled wastewater, Increased conversion rate from 1.7% to 3.5% .
- Creating and managing Power BI dashboards and reports, analyzing data for actionable insights
- Working extensively on EPR, Carbon footprint and sustainability-related reporting.
- Identifying and documenting areas for improvement in business processes, developing automated workflows using Power Automate, and training users on these processes.

Data Analyst (part-time)

Renew Technologies Kft. [09/2022 – 12/2023]

City: Budapest | Country: Hungary

- Performed ETL operations and visualized data in the form of business reports. (Focusing on sustainability and supply chain related KPIs)
- Designed and built data models.
- Automated business processes using Power Automate, increasing efficiency.

Co-founder / Digital Consultant

Easify Technologies [07/2021 – Current]

City: Remote | Website: <https://easifytechnologies.com/>

- Working with multiple companies across industries (Specializing in working with startups) to provide web development and online marketing services.
- Helping to secure and manage projects by evaluating client needs and delivering successful solutions.
- Managing junior team members and worked with client teams.

DIGITAL SKILLS

Microsoft Office / Microsoft Excel / Python / R Programming / Data Analysis / SQL / QGIS: basic level / Statistical Analysis / Business Intelligence / Power BI / Web Design & Web Development

LANGUAGE SKILLS

Mother tongue(s): Hindi | Urdu

Other language(s):

English

LISTENING C2 READING C2 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Hungarian

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

MANAGEMENT AND LEADERSHIP SKILLS

Section Vice President (ERASMUS STUDENT NETWORK- ESN MATE)

- Project management, planning & coordinating ESN MATE events and mentor camps.
- Coordinating with stakeholders, other ESN Hungary sections, and the National Board.

HONOURS AND AWARDS

[07/2020] Tempus Public Foundation, Hungary

Stipendium Hungaricum Scholarship

Received this fully funded scholarship award to study Bachelor degree in Environmental Engineering at Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary.

[2019] Aligarh Alumni Association Washington DCs

Aligarh Alumni Association Washington DCs Scholarship 2019-2020

[05/2023] CraftHub Hackathon

Community Award Winner

Community Winner in Hackathon on developing sustainable health solution.

Link: <https://crafthack.crafthub.events/2023/#challenges>

PROJECTS

[2023 – Current]

Easify AI

Easify AI is an AI tool which helps users to query data and generate visualizations from SQL databases and other data sources using natural language. I am co-founder of this project and I work on developing the backend and marketing.

Link: <https://app.easify-ai.com/>

SafeSide

SafeSide: An app for preventing cancer by encouraging healthy habits and detecting people who have a risk of developing cancer, based on a few questions related to lifestyle and family history. It uses gamification to encourage people to practice healthy habits by creating a leaderboard to compare their progress with their peers.

Link: <https://app.hackjunction.com/projects/crafthack-hybrid-hackathon-2022/view/62758d2d982cf20044b5a0c0>

[06/2022]

BaroXmedia - EUDRES

As part of the EUDRES initiative, I collaborated with a team of international student from 4 countries to create AI-generated video artworks that reimagined Baroque art and architecture through modern technology. Utilizing artificial intelligence, we developed innovative visual interpretations that bridged historical aesthetics with contemporary digital expression.

Link: <https://www.fhstp.ac.at/de/newsroom/news/ein-spektakel-baroxmedia-2022>

[27/08/2021 – 03/09/2021]

Erasmus+ Youth Exchange: Be Kind To Your Mind

Participated in an international exchange with 35 young people from six countries where we engaged in workshops on mental well-being, mindfulness, and active responsibility. I developed intercultural communication and teamwork skills from this exchange.

VOLUNTEERING

[08/2022 – Current] Remote

Web Development Volunteer for SSMAF

Designing, developing and maintaining the website of the NGO SSMAF which helps underprivileged students to study abroad by mentoring and providing financial assistance.

Link: ssmaf.org

[07/2022 – 07/2023] Gödöllő, Hungary

HÖÖK Student Mentor

Engaged in mentoring activities, providing guidance and support to new Stipendium Hungaricum students arriving at the university, fostering a collaborative and supportive educational environment.

[07/2021 – 07/2022] Gödöllő, Hungary

ESN Student Mentor

Engaged in mentoring activities, providing guidance and support to incoming Erasmus exchange students, organizing events etc.

[2021 – 2023] Gödöllő, Hungary

International Student Coach Advisor

CERTIFICATIONS

Google Data Analytics Professional Certificate

Hungarian language and culture course (100 hours) at the Hungarian University of Agricultural and Life Sciences in the 2020/21 academic year.

Link: <https://www.coursera.org/account/accomplishments/specialization/certificate/4NZJSEPMYKEC>

[2020 – 2021]

Hungarian language and culture

Introduction to Sustainability | University of Illinois at Urbana-Champaign

Link: <https://www.coursera.org/account/accomplishments/certificate/LJY5AR9DRRQN>

Ecology: Ecosystem Dynamics and Conservation

Link: <https://coursera.org/share/e7346ff32c0cfbc726cbd77959422da9>

NETWORKS AND MEMBERSHIPS

[12/2022 – Current]

American Academy of Environmental Engineers and Scientists

Student Member