# Anurag Tiwari

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## EDUCATION

**University Of Debrecen**                                                                   Debrecen , Hungary
*Bsc. in Computer Science Engineering*                                             *Sep. 2022 – Jan 2026*

## EXPERIENCE

**Mentor, (HÖOK) Network**                                                                          *June 2023*
- Mentored **50+ international students** under the Stipendium Hungaricum program, providing guidance on **academic onboarding**, **housing arrangements**, and cultural integration.

**President, International Students Union (ISU)**                                                   *Dec 2024*
- Acting **President** of the **International Students Union (ISU)**, Organized **5+ cultural events and workshops annually**, boosting **participation by 40%** and promoting **cross-cultural engagement** among students from **30+ countries**
- Collaborated with the **executive board of 8 members** to address **key student issues**, achieving a **90% resolution rate** for concerns raised during feedback sessions.

## SCHOLARSHIPS AND ACADEMIC HONORS

- Recipient of **Stipendium Hungaricum Full Scholarship** from Goverment Of Hungary to Study at the **University Of Debrecen**
- **Technical and Strategy Director** of **Google Developer** Groups.

## PROJECTS AND CERTIFICATIONS

**LC Security AI - Scam Detection System** | *BERT, FastAPI, Flask, Python, Hugging Face* — GitHub  Jan 2024 – Present
- CTO and ML Engineer in a Hungarian Startup Program, leading development of an AI-powered scam detection platform leveraging **BERT-uncased** with **99.42% test** and **98.34% validation accuracy** on a balanced 20K spam/ham dataset.
- Quantized and hosted the model on **Hugging Face**, deploying via **FastAPI/Flask** endpoints handling **RPM** with 200ms latency, optimized for lightweight environments.
- Driving €50,000 funding proposal from the **Hungarian Innovation Agency** for next-stage R&D, focusing on real-time NLP and cross-platform integration.

**Road Surface Monitoring System** | *Raspberry Pi, YOLO, Python, TensorFlow*— GitHub                Dec. 2024
- Initiated the development of a **Raspberry Pi**-based system with integrated sensors (accelerometer, gyroscope, GPS) and a camera to monitor and assess road quality across **100 km** of urban and rural roads.
- Creating a custom dataset with **5,000+ annotated images** and trained **YOLOv5** to achieve a defect detection accuracy of **92%**, enabling precise identification of potholes, cracks, and uneven surfaces.
- Built data analysis pipelines using **Pandas** and **NumPy** to process **10,000 data points** from sensor readings, and visualized results using **Matplotlib**, leading to actionable insights for city planners.

**Pizza Delivery Application for Pizza Point** | *Spring Boot, React, Vite, Stripe API, Firebase, Git* — GitHub      Jan 2025
- Developed a full-stack pizza delivery application for **Pizza Point**, expected to handle **400+ daily orders** upon launch, improving order accuracy by **20%** through automated workflows, real-time updates, and bi-directional communication using **WebSockets**.
- Designing and implementing a **frontend and backend** with **Spring Boot** and **React + Vite**, creating RESTful APIs to manage user accounts, process orders, and track deliveries, optimizing performance to handle **12,000+ active users** with minimal latency and seamless socket-based event handling.
- Integrating **Stripe API** for secure payments and developing a real-time **order tracking system** that reduces customer support tickets through WebSocket-powered status updates and responsive UI features.

**Microsoft Azure AZ-900 Certification** | *Microsoft*                                             Sept 2024
- Gained foundational knowledge of **cloud concepts** and services offered by **Microsoft Azure**, including core Azure services, solutions, and management tools, which enhances my ability to implement cloud solutions effectively.
- Demonstrated expertise in **Azure pricing**, **support**, and **life cycle management**, **cloud security** , equipping me to make informed decisions regarding resource allocation, compliance, and cost optimization in cloud deployments.

## TECHNICAL SKILLS

**Languages**: Java, Python, C/C++, SQL (Postgres,Oracle,MySQL), HTML/CSS
**Frameworks**: React, Spring Boot, Junit, JSP, Hibernate, Yolo, FastAPI, Flask, PyTorch
**Development Tools**: Git, Azure, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Postman, Linux, Jupyter
**Libraries**: Pandas, NumPy, Matplotlib, RPi.GPIO, Seaborn, Sklit-Learn, HTTP-Libraries, OpenCv, Transformers,