

Vasiliki Netsiou

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SUMMARY

Software Engineer with 5+ years of experience developing web and backend applications using C#, .NET and SQL Server. Experienced in designing REST APIs, integrating external services and delivering business-critical software solutions. Currently completing an Integrated MEng in Electrical and Computer Engineering, with thesis work focused on distributed data processing using Apache Kafka and Apache Flink.

EDUCATION

- 2015 - 2026 **Integrated MEng (in progress) — Electrical and Computer Engineering**
Technical University of Crete 300 ECTS
Expected graduation: Sep 2026
Thesis: **Federated Learning and CEP/CEF Workflow Automation using Altair Rapid-Miner Studio (now part of Siemens)**
Designed and implemented custom operators for distributed data processing workflows. Integrated Apache Kafka, Apache Flink and Wayeb CEP engine. Developed event-driven pipelines for real-time processing and orchestration. Applied scalable and decoupled system design principles.
- 2015 **High School Diploma** (Avg: 18.9/20.0)
- 2013 **C2 Certificate of Proficiency in English**
University of Michigan

WORK EXPERIENCE

- Full Stack Software Engineer, Protean LTD** Oct 2020 - present
- Developed and maintained web and backend applications using C#, .NET Core and SQL Server
 - Designed and integrated REST APIs with third-party platforms and external services
 - Implemented and maintained order, inventory and product management workflows
 - Investigated production issues, identified root causes and delivered timely fixes
 - Collaborated with business stakeholders to gather requirements and implement new features
 - Improved application maintainability and performance through code refactoring and query optimization
- Web Developer Intern, NET22** Summer 2020
- Developed and customized web applications using PHP, WordPress, HTML, CSS, and JavaScript
 - Implemented client-requested features and UI modifications

PROJECTS

Shortest Path & Traffic Prediction System

Developed a route optimization and traffic prediction system using graph traversal algorithms including BFS, DFS, A* and Dijkstra. Evaluated route selection based on traffic patterns, road distance and historical data.

Sentiment Analysis API

Developed a REST API for sentiment analysis using Python and FastAPI. Implemented NLP-based text classification workflows and exposed prediction endpoints for external consumers. Designed the application as a lightweight machine learning service.

News Analytics Dashboard

Developed a data dashboard using Streamlit and PostgreSQL for news analysis and visualization. Processed and analyzed textual datasets using NLP techniques and interactive reporting components.

CERTIFICATIONS & COURSES

2026	Machine Learning & Data Science	IBM,GeeksForGeeks
2025	AutoCAD	AutoDesk
2022	Google UX Design Professional Certificate	Google x Coursera
2021	Advanced Web Development & Responsive Design	NKUA
2021	Marketing & Branding	NKUA
2020	Safety Systems Technologies	Olympia Electronics

TECHNICAL SKILLS

Languages	C#, Java, Python, JavaScript, SQL
Backend	.NET Core, ASP.NET, REST APIs, API Design
Frontend	HTML5, CSS3, JavaScript, JQuery, Bootstrap
Databases	SQL Server, PostgreSQL, Elasticsearch
Distributed Systems	Apache Kafka, Apache Flink, Event-Driven Architectures
DevOps & Tools	Docker, Git, CI/CD
Concepts	Object-Oriented Programming, Software Design, Data Structures, Algorithms