

Abrar Ahmed

abrarahmedpei@gmail.com | Budapest, Hungary | +36202673343

LinkedIn: [Abrar Ahmed](#) | GitHub: [Abrar Ahmed](#) | HackerRank: [Abrar Ahmed](#) | Credly: [Abrar Ahmed](#) | Website: [Abrar Ahmed](#)

EDUCATION

MSc Financial Engineering WorldQuant University	Jan 2025 – Jan 2027
Coursework: Financial Markets, Financial Data & Econometrics, Derivative Pricing & Stochastic Modeling, Machine Learning & Deep Learning in Finance, Portfolio & Risk Management	
BSc Computer Science Eötvös Loránd University	Sep 2021 – Jan 2025
Coursework Data Structures and Algorithms, Machine Learning, Data Science & Statistical Analysis, Artificial Intelligence, Big Data Technologies, Databases & Data Warehousing, Cloud Computing, Data Visualization.	

EXPERIENCE

Eötvös Loránd University	
Teaching Assistant	Feb 2025 – May 2025
<ul style="list-style-type: none">Supported students in Python, Operating Systems, and Algorithms & Data Structures, helping with concepts and debugging.Conducted tutorials, reviewed assignments, facilitated discussions, and consistently assisted instructors with course delivery.	
Ericsson	
Software Developer	Aug 2023 – Oct 2024
<ul style="list-style-type: none">Developed data-driven applications using Python, focusing on predictive analytics and automation.Built and optimized data pipelines using Apache Spark and Pandas to process large-scale datasets.Applied machine learning models for anomaly detection and performance optimization.Conducted exploratory data analysis (EDA) and feature engineering to improve model accuracy.Automated data processing workflows with Python and Apache Airflow for efficiency.Created interactive dashboards and visualizations using Matplotlib, Seaborn, and Plotly for insights.Collaborated with cross-functional teams to integrate data solutions into software applications.	

PROJECTS

CERTIFICATIONS

Applied AI – WorldQuant University	May 31, 2025
Applied Data Science – WorldQuant University	March 22, 2025
Foundations of Financial Engineering - WorldQuant University	May 06, 2025

SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript	Agile Methodologies: Jira, Confluence
Frameworks: Spring Boot 3, JUnit 5, Mockito, Angular	
Databases: Oracle, MySQL, PostgreSQL	
DevOps & Cloud Infrastructure: AWS, GCP, IBM Cloud, Terraform, Ansible, Docker, Kubernetes, OpenShift, Grafana, Prometheus	
CI/CD Pipelines: Jenkins, GitHub Actions, Spinnaker	
Scripting & Automation: Python, Bash, Shell Scripting, Automation Tools	
Testing: Unit Testing, Integration Testing, Test-Driven Development	
API Testing: Postman	
Version Control: Git, GitHub, Gerrit	
Finance & Quantitative Skills: Expertise in financial markets, data analysis, and econometrics; Derivative Pricing & Stochastic Modeling; Proficient in stochastic calculus, Monte Carlo simulations, and machine learning applications in finance.	