

Abrar Ahmed

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EDUCATION

BSc Computer Science Eötvös Loránd University	Sep 2021 – Jan 2025
Coursework: Data Structures and Algorithms, Object-Oriented Programming, Concurrent Programming, Software Engineering, Software Testing, Databases, Operating Systems, Cloud Computing and DevOps, Distributed Systems, Cybersecurity and Network Protocols	
BSc Mathematics University of Balochistan	Sep 2018 – Aug 2020
Coursework: Calculus, Linear Algebra, Differential Equations, Real Analysis, Complex Analysis, Abstract Algebra, Probability and Statistics, Numerical Methods, Mathematical Modeling, Optimization Techniques, Physics, Chemistry	

EXPERIENCE

Ericsson	
Software Developer	Aug 2023 – Oct 2024
<ul style="list-style-type: none">Developed and optimized cloud-based DevOps pipelines and infrastructure in collaboration with cloud architects.Automated cloud deployments using Jenkins, GitHub Actions, and Spinnaker CI/CD pipelines, ensuring speed and reliability.Streamlined DevOps workflows with Python and Bash scripting, improving operational efficiency.Utilized Docker and Kubernetes for containerization and orchestration, enhancing cloud scalability and efficiency.Monitored and optimized cloud performance using Prometheus and Grafana.Ensured cloud security and compliance by implementing best practices in IAM, network policies, and automated security scans.Improved system reliability by implementing observability best practices with logging, tracing, and alerting.Automated infrastructure provisioning and scaling using Terraform and Kubernetes operators.	
Eötvös Loránd University	
Teaching Assistant	Feb 2025 – Present
<ul style="list-style-type: none">Provided academic support as a Teaching Assistant for Python, Operating Systems, and Algorithms & Data Structures Courses.Assisted students in understanding complex concepts, debugging code, and solving theoretical and practical problems.Conducted tutorials, reviewed assignments, and provided one-on-one guidance to enhance student learning.Clarified course materials and facilitated discussions to strengthen students' problem-solving skills.Collaborated with instructors to ensure smooth course delivery and effectively addressed student queries.	

PROJECTS

PayNext Tools: Java, Spring Boot, JavaScript, React, Docker, K8S, PostgreSQL, GitHub Actions, Terraform, Ansible, AWS
<ul style="list-style-type: none">Developed a FinTech payment processing app with Java Spring Boot, implementing REST APIs and microservices for scalability.Utilized Docker, Kubernetes, and CI/CD pipelines with GitHub Actions, Terraform, and Ansible for automated deployment.
FinovaBank Tools: Java, Spring Boot, Docker, K8S, React.js, PostgreSQL, MongoDB, Jenkins, Prometheus, OAuth2
<ul style="list-style-type: none">Developed a digital banking solution with Java Spring Boot, PostgreSQL, and MongoDB for secure financial transactions processing.Implemented Docker, Kubernetes, and Jenkins for streamlined deployments, using RabbitMQ and Prometheus for real-time monitoring.

CERTIFICATIONS

Applied AI WorldQuant University	Dec 2024 – April 2025
<ul style="list-style-type: none">Studied machine learning algorithms, neural networks, and deep learning frameworks.Developed AI models for real-world applications, including NLP and computer vision.Implemented advanced AI techniques to solve complex problems across different fields.Utilized Python and relevant libraries to build and deploy scalable AI systems.Focused on the practical application of AI in business and technology domains.	
Applied Data Science WorldQuant University	Dec 2024 – March 2025
<ul style="list-style-type: none">Gained hands-on experience in data manipulation, exploration, and visualization using Python.Applied statistical analysis and machine learning techniques to real-world datasets.Developed predictive models using both supervised and unsupervised learning methods.Focused on extracting meaningful insights and presenting them through clear visualizations.Used data science methodologies to solve problems in various domains and industries.	

SKILLS

Programming Languages: Java, Python, C#, JavaScript, TypeScript	Agile Methodologies: Jira, Confluence
Frameworks: Spring Boot 3, JUnit 5, Mockito, Angular, React, .NET	
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	