ERFAN HOSSEINI

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EDUCATION

Delft University of Technology   The Netherlands, Delft
Bachelor of Computer Science and Engineering - Data & AI specialisation   *Sep. 2024 – Jun. 2028*

ABOUT ME

Second year Computer Science and Engineering student, seeking a student software engineering role or internship where I can make real-world impact, ideally in an AI/ML- or trading-focused environment. I am a curious builder who learns quickly, cares about engineering quality, and brings a goal-focused leadership mindset that helps teams thrive.

TECHNICAL SKILLS

Languages: Java, Python, SQL (Postgres), JavaScript, HTML, CSS
Frameworks: Spring Boot, React, Node.js, JUnit, JavaFX, Mockito
Developer Tools: Git, Docker, Azure, Github, Gitlab, Postman, Visual Studio Code, IntelliJ
Libraries: NumPy, Pandas, Scikit-learn, Lombok

WORK EXPERIENCE

IT Engineer   Feb. 2024 – Present
BICT Groep   *The Netherlands, Naaldwijk*
- Developed a **full-stack Java** application using **Spring Boot** and **JavaFX** to access and view data from a **MySQL** database, saving the company **€25.000** annually by eliminating the need for external software
- Developing and optimizing full-stack software applications (Java stack) to streamline and support complex IT support processes
- Administered production **SQL Server 2019** instances with multiple **relational databases**; rebuild **30+** high-impact indexes to cut average query latency by **76%** while maintaining **99%** uptime
- Supported end-to-end migration projects (**planning, execution, documentation, post-implementation support**) for software and digital workplace environments

PROJECTS

FPL ML-Recommendation System | *Java, Python, React, Spring Boot, TypeScript, PostgreSQL*   Oct. 2025 – Present
- Building a fully local **Machine Learning**-powered recommendation engine that suggests optimal Fantasy Premier League player transfers for the next gameweek based on budget and squad constraints
- Implementing a **Python** data ingestion pipeline (**BeautifulSoup4**) to scrape official FPL API match and player statistics and load them into a normalized **PostgreSQL** dataset
- Developing a **Spring Boot REST** API that computes features, applies rules/ML-based scoring, and returns top N recommended replacements per weak position
- Creating an interactive **React + TypeScript** dashboard with **Recharts** charts to compare players and explain each transfer recommendation

NetNote | *Java, Spring Boot, JavaFX, CSS, PostgreSQL*   Nov. 2024 – Jan. 2025
- Built NetNote, a multi-user note-taking client–server application in **Java 23** with **Spring Boot**, **Maven**, and **JavaFX**
- Managed version control and **CI/CD** workflows through **GitLab**, coordinating in a team of 6 developers using the agile **SCRUM**-model
- Designed **REST** endpoints and **WebSocket** channels for secure, real-time note synchronization across multiple servers
- Achieved **100% unit-test coverage** with **Mockito** for service-layer and REST-controller tests
- Delivered as the capstone "Collaborative Software Engineering Project"; earned **9.0/10.0** for the product

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals (AZ-900)   Issued: 2026
- Foundational knowledge of cloud services and how those services are provided with Microsoft Azure

Databricks Academy: Databricks Fundamentals   Issued: 2025
- Fundamental concepts related to Databricks Data Intelligence Platform.

Spoken Languages

Dutch: C2 Native proficiency
English: C2 Native proficiency
Persian: C2 Native proficiency

Personal Interests

Football, Gaming (Fifa & Nintendo games), Reading, History (particularly Middle Eastern history), Learning languages

Extracurricular Activities

Metav3rse | *Moderator & Contributor* | instagram.com/metav3rse   2021 – 2022
- Moderated Discord servers, supported community discussions, and helped enforce guidelines to maintain a safe and constructive environment
- Guided members through their first crypto and NFT trades on **Solana** and **Ethereum**, explaining wallet setup, marketplaces, and basic trade flows
- Shared market insights and trade ideas, helping members understand risk, fees, and common pitfalls when buying/selling NFTs and crypto