

JAODUN MUNTASIR

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EDUCATION

Bachelor of Science (Computer Science)
Faculty of Informatics, Eotvos Lorand University

Budapest, Hungary
Class of 2025

- **Stipendium Hungaricum Scholarship Recipient (2022):** Full-ride government funded scholarship for 3 years of undergraduate studies at ELTE.
- **Thesis:** A Blockchain-Based Rental Loan System Using Security Deposits as Collateralized Assets
- **Research Activities:** Blockchain, Decentralized Finance, Decentralized Justice System
- **Relevant Courses:** Algorithms & Data Structures, Object Oriented Programming, Machine Learning and AI, Statistics and Machine Learning for Real Time Data Analysis in IBM SPSS, Development of Financial IT Systems.
- **Grade:** Excellent

RESEARCH & PUBLICATIONS

Accepted Research Paper: *"State Machine Architecture for Dual-State Financial Assets"*

Authors: Muntasir Jaodun, Dr. Khawla Bouafia

Conference: IEEE 23rd International Symposium on Intelligent Systems and Informatics (SISY 2025)

Published Research Paper: *"Analysis and Evaluation of a Blockchain-based Framework for Decentralized Rental Agreements and Dispute Resolution"*

Authors: Muntasir Jaodun, Dr. Khawla Bouafia

Journal: MDPI Blockchains 2025, Volume 3, Issue 2, 8

DOI: [10.3390/blockchains3020008](https://doi.org/10.3390/blockchains3020008)

EMPLOYMENT EXPERIENCE

Lecturer | Daffodil International University

Sep 2025 - Present

- Teaching a full 12-credit course load each semester across core Software Engineering subjects, designing courses, delivering lectures and evaluating student performance
- Conducting research in algorithm optimization and financial technology, contributing to ongoing publications and collaborative academic initiatives
- Providing academic advising and mentorship to undergraduate students, supporting their academic progression and career development
- Collaborating on institution-affiliated research and development projects, contributing technical expertise and fostering industry-academic partnerships

Frontend Developer | IUX IT Pty Ltd

Sep 2024 - Aug 2025

- Built scalable Next.js applications with JavaScript, implementing SSR/SSG to improve page load times by 40-50% and enhance SEO performance for better user engagement
- Developed reusable component libraries using shadcn/ui and created custom UI elements, establishing consistent design systems that reduced development time and code duplication
- Integrated RESTful APIs with proper error handling and loading states, implementing caching strategies and request optimization to ensure smooth data flow and improved user experience
- Collaborated with design and backend teams to deliver pixel-perfect, responsive interfaces with accessibility compliance, translating mockups into functional web applications

Software Engineer Intern | ELTE IK Innovation Lab

Jul 2024 - Jan 2025

- Developed an internal team management web application using PHP (Laravel) for backend, React (JavaScript) for frontend, and REST API for integration
- Designed a preference-based shift management algorithm tailored to pink-collar jobs
- Contributed to prototype shift management system utilizing PHP (Laravel), Next.js (TypeScript), React, and REST API
- Deployed applications on AWS Lightsail LAMP stack server with Linux/Apache, configured DNS and AWS SES for email notifications
- Collaborated in Scrum environment as Development Team Member with sprint planning, daily standups, reviews, and retrospectives

TECHNICAL SKILLS

Programming Languages: C, C#, Java, JavaScript, TypeScript, PHP, Python, Solidity

Frameworks & Libraries:

Next.js, React, Laravel, Node.js, Express.js, Angular, Flask, REST API, WordPress

Others:

CMS, SEO, MS Office, IBM SPSS, Adobe Photoshop, Canva, Latex

Databases & Tools:

MySQL, PL/SQL, SQLite, Git, Linux, AWS (LightSail, SES), VPS Management, CI/CD, Firebase

Areas of Expertise:

Full Stack Software Development, DApp Development, Smart Contract Development, Object Oriented Programming, Unit Testing

RELEVANT PROJECTS

Nonna (*Next.js, JavaScript, Firebase, NoSQL, Stripe*) • nonna-puce.vercel.app

- Platform connecting seniors (nonna) with students (buddy) for non-medical assistance like grocery shopping
- Features dual user panels, admin panel, Firebase authentication, Firestore, and real-time database
- Complete SEO optimization and animations with full Next.js implementation in prototype stage

ShiftNester (*Laravel, PHP, Blade, Breeze, JavaScript*) • shiftnester.vercel.app

- Automatic Employee Shift Management System streamlining shift creation, assignment, and management for multi-department organizations
- Features employee preference-based scheduling and open shift marketplace system

AI Health Recommendation App (*React, TypeScript, Express.js, REST API, DeepSeek v3*)

- Collects user data and provides personalized recommendations for water intake, calorie count, and sleep time
- Uses DeepSeek v3 API and pre-trained GPT model with sophisticated prompt engineering for optimal AI output

2D City Builder Game (*Java Swing, SQLite*)

- Single-player SimCity-like game with local database progress saving
- Features complex economy, taxation, loans, disasters, demolition, and zoning
- Deployed via GitLab CI/CD pipeline with automated build, test, and deployment using Agile development with unit testing

HONORS & AWARDS

3rd Place - Scientific Students' Associations Conference 2025 (TDK)

| Eotvos Lorand University

Recognition for research work on Blockchain and Decentralized Finance among 39 research projects

2nd Place - Digital Entrepreneurship for Participatory Democracy

| Portfolio Erasmus+ Project

European Entrepreneurship Micro-minor competition organized by 5 European universities

Runner-up - 5th CASSINI Hackathon: Space for Defence & Security

| EU Space Programme

Inter Europe competition using EU Space data from Copernicus, Galileo and EGNOS

Finalist - Budapest Open 2023

| Budapest Debate Union

Inter European University Debate Tournament

Stipendium Hungaricum Scholarship

| Government of Hungary

Full-ride scholarship for 3 years of undergraduate studies at ELTE

Belt and Road Initiative Scholarship

| Government of People's Republic of China

Full-ride scholarship for 4 years at Sichuan University

Dean's Scholarship & Drexel Grant

| Drexel University, USA

50% scholarship towards 4 years of undergraduate studies at Drexel University, USA

ADDITIONAL INFORMATION

Languages: Bengali (Native), English (Fluent [IELTS: 8.00]), Hindi (Fluent), Urdu (Fluent), Hungarian (Beginner), Spanish (Beginner)

Skills: Public Speaking, Content Writing, Presentation Skills, Communication, Research, Team Management

Activities: Debater at Budapest Debate Union, Ex-General Secretary at Adamjee Cantonment College Debating Club, Ex-President at Adamjee School Cultural Club