KHASAN RASHIDOV

⚲ Tashkent, Uzbekistan

✉ khasanrashidov2002@gmail.com   ☎ +998 90 675 60 75

in linkedin.com/in/khasanr   🌐 khasanrashidov.github.io   🐙 github.com/khasanrashidov

EDUCATION

Inha University in Tashkent   *September 2020 – August 2024*

Bachelor of Science in Computer Science and Software Engineering

GPA: 4.27/4.50, Rank: 4/300

Member of Dean's List

Core Courses: Artificial Intelligence, Big Data Analytics, Capstone Design, Multimedia Computing, Digital Logic Circuit, Software Engineering, Database Application & Design, Computer Networks, Circuit and Lab, Computer Architecture

Programming Courses: Object-Oriented Programming, Application Programming in Java, Data Structure, System Programming, Operating System, Database, Mobile Programming, Computer Algorithm, Unix Programming, Embedded Software & Design

Math Courses: Calculus, Linear Algebra, Discrete Mathematics, Engineering Mathematics, Probability and Statistics

Inha University (Incheon, South Korea)   *July 2023 – August 2023*

Summer School Program

Courses: Korean Culture, Introduction to the Korean Business and Economy, Business Communication in English

WORK EXPERIENCE

Vention   *August 2023 – Present*

Senior Software Engineer

Stack: .NET, Angular, TypeScript, Python, Azure, RabbitMQ, RxJS, NgRx, EF Core, MS SQL Server

· Design, develop, and maintain production-scale full-stack systems using Angular (RxJS, NgRx) and ASP.NET Core, leading backend development of high-performance RESTful APIs with Entity Framework Core and applying best practices in API design and service decomposition.

· Integrate AI-powered systems, including LLMs and external AI services/APIs, into production applications and collaborate on AI-assisted workflows to enable intelligent features such as automation, data analysis, and decision support while ensuring reliability, security, and performance.

· Optimize MS SQL Server databases through query tuning, indexing strategies, and schema design to support performance-critical workloads.

· Architect and deploy cloud-native solutions on Microsoft Azure utilizing Azure Functions, Blob Storage, and DevOps best practices for deployment, monitoring, and scalability.

· Participate in technical decision-making, code reviews, and mentoring of junior engineers, contributing to improved code quality and engineering standards.

LeverX   *March 2023 – August 2023*

Software Engineer Intern

Stack: .NET (C#), Azure, REST, Microservices, GitLab CI/CD, In-memory Caching, xUnit, Moq, NLog

· Designed and implemented a scalable ASP.NET Web API solution aligned with enterprise requirements and modular architecture principles.

· Integrated third-party APIs (Atlassian Tempo API) to automate employee worklog collection and reporting workflows.

· Developed and deployed Azure Functions for automated weekly email reporting, improving operational efficiency.

· Configured GitLab CI/CD pipelines to automate builds, testing, and deployments using GitLab runners.

· Implemented unit and integration testing using xUnit and Moq, achieving 90%+ test coverage and ensuring high reliability.

· Successfully completed the internship program, ranking top 1 among interns based on performance evaluations.

SKILLS

Core Programming & Platforms: .NET (C#), Python, C/C++, TypeScript, Java, Kotlin, Golang
Web Technologies & Frameworks: Angular, TypeScript, HTML, SCSS, RxJS, NgRx
.NET Frameworks & Tools: ASP.NET Core, ADO.NET, EF Core, SignalR, In-memory Caching
Python Frameworks & Tools: Flask, FastAPI, Django, Flask-SQLAlchemy, Celery
Databases: MS SQL Server, T-SQL, MySQL, PostgreSQL, MongoDB, Redis
Testing Frameworks: xUnit, NUnit, MSTest, Moq, FluentAssertions, Vitest, Jasmine, Karma
DevOps, Cloud & Tools: Git, NuGet, npm, Docker, RabbitMQ, Azure, AWS, GCP
AI, Data Science, Analytics: Python (NumPy, pandas, scikit-learn, matplotlib), TensorFlow, PyTorch, OpenCV, Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), AI system integrations
Languages: English (Proficient), Russian (Native), Uzbek (Native), Korean (Intermediate), Turkish (Basic)

PROJECTS

Moliyachi   *November 2025 – December 2025*
Keywords: AI, personal finance, predictive analytics, LLMs, LangChain, Python, super app integration
Abstract: Moliyachi is integrated into the Agrobank Mobile app to transform raw banking data into actionable financial guidance. It analyzes users' transactions to generate spending insights, predicts monthly balances, issues overspending warnings, calculates financial goals, and provides a financial health score. The platform delivers personalized recommendations, matches users with relevant banking products, and includes an AI-powered shopping assistant - helping individuals and families improve financial decision-making, reduce stress, and better manage budgets.

Dassyor   *March 2025 – July 2025*
Keywords: AI, startup incubation, MVP development, .NET, Angular, Python, OpenAI Agents, GCP
Abstract: Dassyor empowers first-time founders, students, and youth to rapidly transform startup ideas into real products. Unlike traditional incubators, the platform provides a structured, personalized, multi-phase roadmap that guides users through idea validation, MVP development, and marketing strategies. It eliminates equity requirements, focuses on hands-on, efficient product development, and aligns with Uzbekistan's national initiatives to promote youth entrepreneurship and startup innovation.

Sally   *September 2024*
Keywords: NLP, AI assistant, .NET, Vector Database, project planning automation, document generation
Abstract: Sally accelerates the pre-sales and Product Development Workshop (PDW) phases of software development by transforming client meeting transcripts into actionable project plans. The system automatically generates multiple solution ideas, supports sales and technical lead approvals, and produces detailed documentation including feature breakdowns, estimates, team structures, and development roadmaps. By automating these tasks, Sally reduces weeks of manual effort and enables faster, clearer decision-making for project teams and clients.

Autonomous Robot SLAM and Navigation – Capstone Design Project   *March 2024*
Keywords: robotics, SLAM, autonomous navigation, localization, obstacle avoidance, motion planning
Abstract: This capstone project developed an autonomous navigation system for a TurtleBot mobile robot, addressing core robotics challenges including simultaneous localization and mapping (SLAM), pose estimation, obstacle avoidance, and waypoint-based navigation. The robot autonomously explored and mapped its environment, localized itself within the map, and navigated safely toward predefined waypoints under real-world constraints. The project integrated sensing, localization, and navigation into a cohesive autonomous system and achieved first-place ranking among capstone teams.

HuquqAI – Legal Assistant   *February 2024*
Keywords: AI assistant, OpenAI API, NLP, RAG, Python, Flask, React, PostgreSQL
Abstract: HuquqAI leverages open legal data, including the constitution, laws, and social codes, to provide users with accurate legal guidance. Utilizing the OpenAI Assistants API (powered by GPT-4 Turbo), it interprets user queries and delivers reliable responses in English and Russian. The platform simplifies legal research, making information more accessible for both individuals and organizations while maintaining high standards of accuracy.

AWARDS & ACHIEVEMENTS

Finalist, AI500 Hackathon 2025   *December 2025*
Agrobank & IT Community of Uzbekistan
Selected as one of the Top 50 teams (3.7% of 1,345 teams) in the AI500 Agrobank Hackathon, a national AI & fintech competition. Developed a fully functional MVP within 5 days, demonstrating rapid prototyping and applied AI/ML skills in a real-world financial context. The product received interest from Agrobank for potential acquisition, reflecting practical impact and quality of the solution. (Hackathon Link | GitHub)

Third Award, ICPC 2022 and ICPC 2023 Regional Contests   *November 2022*
William B. Poucher, Ph. D., ICPC Executive Director
Participant in ICPC 2022 and ICPC 2023 Regional Contests. Achieved a Top 30 finish out of 158 teams at the 2022 ICPC Uzbekistan Regional Contest, ranking 1st among all IUT teams. (ICPC Standings)

Winner, Best Educational Project – NASA Space Apps Challenge   *October 2022*
NASA Earth Science Division (Space Apps)
Developed ZeroX, an educational mobile game helping users learn about the scale of the universe and humanity's potential advancements through the James Webb Space Telescope (JWST).
(Project Details | News Article)

Recipient, Sturgeon Capital Scholarship for Talented Students in STEM   *October 2022*
The Sturgeon Foundation
Awarded the Sturgeon Capital Scholarship for talented STEM students during junior year at IUT; selected as a member of the Sturgeon Foundation. (Foundation Link)

Recipient, IUT Academic Excellence Scholarship   *2020 – 2024*
Inha University in Tashkent
Five-time Academic Excellence Scholarship recipient, awarded for ranking among the top 10 GPAs out of 300 students (top 3%), including multiple 1st-place rankings.

EXTRACURRICULAR ACTIVITIES

IUT Student Association, Inha University in Tashkent   *September 2023 – May 2024*
Tech Support Coordinator   *Tashkent, Uzbekistan*
Provided technical support for university events and activities, assisting with troubleshooting, setting up equipment, and ensuring smooth operations. (Organization Link)

The College Board   *October 2021 – December 2021*
Exam Proctor   *Tashkent, Uzbekistan*
Assisted in administering and supervising SAT examinations for large groups of students (100+ per session), ensuring compliance with testing procedures and maintaining a secure testing environment.

IDP Education Ltd   *August 2021 – December 2021*
Exam Invigilator   *Tashkent, Uzbekistan*
Supervised the administration of IELTS exams for 500+ candidates, ensuring strict adherence to testing protocols and maintaining a fair testing environment.