

Hosna Molavi

Barkarbyvägen 38, Stockholm, Sweden

Telephone: 0739190525

Portfolio: hosnamolavi.com

Email: hosna.m214@gmail.com

LinkedIn: linkedin.com/in/hosnamolavi/

EDUCATION	BSc Information and Communication Technology	08/2022 - 08/2025
	Royal Institute Of Technology Algorithm And Programming in Python Tehran Institute of Technology Certificate	05/2022 - 08/2022
SKILLS	Languages Persian (<i>native</i>), English (<i>native</i>, IELTS 7.5), Swedish (<i>intermediate</i>) • Programming Languages: Java, Python, C, C++, C#, SQL, Elixir, Erlang, Swift, MIPS Assembly, TypeScript, JavaScript • Frontend: React, React Native, React XR, Vue.js, Next.js, Three.js, Tailwind CSS, HTML5, CSS3, Figma, UX/UI Design • Backend & APIs: Node.js, Express, GraphQL, REST APIs, Docker, AWS, CI/CD, PostgreSQL, Firebase, Payload CMS • Tools & Frameworks: .NET, Git/GitHub, Webpack, Vite, Visual Studio, IntelliJ, Xcode, Cloudflare • Other: Agile, Scrum, $\text{\LaTeX}$	
PROJECTS	E-Commerce API , GitHub Repository	08/2025
	• Built full-featured REST API with Spring Boot featuring JWT authentication, product management, shopping cart, and Stripe payment integration • Implemented role-based access control, order processing workflow, and MySQL database integration following professional backend development practices	
	Zulip , GitHub Repository	08/2025
	• Contributed code to Zulip (open-source team chat platform) by implementing a feature rename ("dm-including" → "dm-with") across backend, frontend, tests, and documentation while ensuring full backward compatibility. • Enhanced developer and user experience by updating API docs, search suggestions, and UI references; maintained legacy support to avoid breaking existing bookmarks, saved searches, and API integrations.	
	FitAtlas , Live Website	04/2025
	• Developed a comprehensive fitness application featuring 1,000+ exercises with advanced filtering by categories and muscle groups, integrated with YouTube API for exercise demonstration videos and RapidAPI for comprehensive exercise data. • Built using React.js with modern hooks, Material-UI v5 components, and deployed on Vercel with optimized performance	
	Full Stack Open , GitHub Repository	07/2025

- **Developed modern web applications** with React for the frontend and Node.js/Express for the back-end, including RESTful APIs and GraphQL integration.
- **Implemented advanced features** such as authentication, state management, testing, TypeScript, and mobile development with React Native.
- **Gained experience with deployment workflows** using Docker, CI/CD pipelines, and relational databases for full-stack application hosting.

Web XR Ad-Extractor, [GitHub Repository](#)

04/2025

- For my degree thesis project, we investigated how presenting webpage advertisements in real-space AR affects user focus and ad retention.
- Developed a prototype that dynamically extracts ads from webpages and renders them in 3D around the main content using Three.js, React, ReactXR, and React Three Fiber.

Portfolio Website, [Live Website](#)

01/2025

- Developed this portfolio page using NextJS, Tailwind CSS and Payload CMS. Deployed and hosted using Vercel. Uses GitHub for version control.

Popcorn Website, [Live Website](#)

12/2024

- Built a React web app allowing users to browse trending movies, search titles, manage a personal watchlist, and submit reviews. Implemented dynamic search, watchlist synchronization with Firebase, and authentication-based interactions for personalized user experiences.

iOS & Android Accent Detection App, [GitHub Repository](#)

04/2024

- Co-developed the front end of a mobile application using Android Studio and Java in a team of two.
- Independently resolved API integration to the neural network model for accent detection.

EXPERIENCE

Student Ambassador, KTH Stockholm, Sweden

02/2025 - present

- Collaborated as part of a team of student ambassadors to engage with newly admitted students through one-on-one and group meetings.
- Answered questions regarding academics, campus resources, cultural adjustment, and daily life as a student.

Teaching assistant, Programming I Stockholm, Sweden

10/2024 - 12/2024

- Provided guidance to students on Java programming assignments as part of an introductory Programming I course, covering fundamental concepts and basic data structures.

EXTRA
CURRICULAR
ACTIVITIES

**Reception Organizer at Chapter of Information and nanotechnology
KTH, Stockholm**

05/2023 - 09/2023

- I helped organize the reception for the newly admitted students at KTH, Kista for the Information and Nanotechnology Chapter.