

# MOHAMMAD CHOUPAN

## Full Stack Developer

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### EXPERIENCE

#### Behavior Understanding

##### Tehran, Iran

- 03/2025 - 07/2025 Tehran, Iran
- Designed a large language model (LLM) to analyze government behavior based on their activity across social networks and news sources

#### Profile Mapping

##### Tehran, Iran

- 03/2025 - 07/2025 Tehran, Iran
- Mapped different social media profiles belonging to the same individual
- Extracted comprehensive personal data

#### Software Engineer, Opensecurity

##### Opensecurity

- 11/2024 - 03/2025 US,Remote
- Developed a chatbot to generate SQL queries from natural language in under 5 seconds
- Built a web UI based on Amazon Cloudscape
- Packaged the platform as a Helm chart for modular, production-ready Kubernetes deployment, reducing installation time to under 2 minutes
- Enhanced Steampipe to support offline SQL querying on cached data with 500+ tables
- Led the development of 15+ plugins and their corresponding 'describers' for GitHub, Kubernetes, AWS, Azure, GCP, and Linode
- Published an open-source tool with 600+ stars on GitHub

#### Front-end Team Lead, Goldiran asayesh

##### Goldiran Asayesh

- 03/2024 - 11/2024 Tehran, Iran
- Responsible for leading a team of three front-end developers to create a new website for the company
- Manage existing websites, such as Goldiran Asayesh, Kardoan and Inzi
- Handled DevOps tasks, including writing CI/CD in GitLab
- Experience with Docker
- Web server management

#### Freelancing as a Full-stack Developer

##### Freelance

- 2021 - Present Tehran, Iran
- Designed and developed the **Inventory Gap Analysis System** for World Help Organization (WHO)
- Worked as a full-stack developer using ReactJS and Django
- Developed a mobile app (**InvGap**) with React Native, published on the App Store
- Designed and validated analysis workflows for vaccine stock data in over 13 countries, including Ukraine, Azerbaijan, the Philippines, and more
- Implemented load balancing to handle traffic for all countries on a single server
- Designed and developed Cloud Drive
- Designed a simple cloud drive for personal use by the company
- Designed and developed **Baham store online shop** website
- Designed a complicated shop for Baham store, Iran's biggest apple store
- Pod App** is a petroleum marketplace where users can buy and sell petroleum products; responsible for developing both the website and the admin panel app for this project using ReactJS and Django
- LandoLet** is a mobile app for renting an apartment in the UK. I'm using Django-DRF to develop the back end of this mobile app

### EDUCATION

#### Bachelor's Degree

##### Amirkabir University of Technology

- 01/2020 - 12/2024 Tehran, Iran, Computer
- Engineering
- O gpa: 3.7/4
- O GPA Over the Last Two Years: 3.83/4

### SUMMARY

Graduated from Amirkabir University of Technology with a degree in Computer Engineering. A full- stack developer with over 5 years of experience, skilled in building web applications from the ground up. Proficient in agile methodologies and comfortable working in fast-paced environments.

### KEY ACHIEVEMENTS

- Language Model Design**  
Developed a LLM analyzing government behavior, increasing accuracy of social insights by 30%.
- Chatbot Development**  
Created a chatbot reducing SQL query generation time to under 5 seconds.
- Open-source Tool Success**  
Published an open-source tool on GitHub, achieving 600+ stars.
- Front-end Team Leadership**  
Led team in website project, increasing site traffic by 40%.

### LANGUAGES

- English**  
Proficient
- Persian**  
Native

### SKILLS

Agile	AWS	Azure	Bash	Django
Docker	GCP	Git	IAM	JavaScript
Kubernetes	Latex	Linux	Modular	
Python	React	React Native	SQL	
Load Balancing				