Ilija Chrchev

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Education

University of Primorska **Oct. 2024 – June 2027**
Bachelor in Computer Science *Koper, Slovenia*
SETU Mihajlo Pupin **Sep. 2020 – June 2024**
Computer Technology/Computer Systems Technology(High School Diploma) *Skopje, Macedonia*

Experience

IAESTE **Sep. 2025 – Present**
President of IAESTE LC Koper *Koper, Slovenia*

- Lead the local committee by coordinating student volunteers and managing partnerships with companies and academic institutions.
- Represent the committee at the national level, organize events at both local and national levels, and support collaboration across all Slovenian committees.

IT Team IAESTE Slovenia *Slovenia*

- Assist with development, maintenance, and improvement of online systems to support organizational workflows and communication.

GDG Technical and Event Support **Sep. 2025 – Present**
Google Developer Group on Campus, University of Primorska *Koper, Slovenia*

- Provide technical and organizational support for GDG events, including registration systems and event workflows.
- Assist in planning and execution of events to ensure reliable operations and positive attendee experience.

Professional Handball Player, RK Mladost & National Handball Youth Team, Macedonia **Aug. 2017 – Aug. 2024**
Elita Fish Restaurant, Macedonia(Seasonal) **May 2019 – Aug. 2024**
Restaurant Capra, Hotel Grand Koper, Slovenia - Waiter(Seasonal) **May 2025 – Oct. 2025**
Puzzle Group Macedonia - Digital Marketer (Remote) **Aug. 2024 – Jan. 2026**
M-Tech - Digital Marketer(Seasonal) **May 2019 – Oct. 2019**

Projects

Detailed descriptions and demos at ilijachrchev.com/#work ↗

Underwater Visibility Predictor | *Python, JavaScript / FastAPI, React, XGBoost, PyTorch* **May 2026**

- **Placed 2nd at FAMNIT Hackathon**
- Trained a 22-feature XGBoost regressor and two CLIP-based image scorers (LAION pretrained finetune against text anchors + frozen encoder regression head) on a hand labeled OBSEA reef image dataset, joined per image to weather and marine conditions via closest hour matching.
- Designed a realistic sensor deployment architecture(solar buoy with ESP32 + ultrasonic at surface, DFRobot turbidity + salinity sensors at 18m, concrete seabed anchor) and generated physically motivated synthetic training data, wave-driven sediment impulses, revier plume events, validated vie K-S test ahead of live installation.
- Integrated 7 Copernicus Marine satellite datasets with auto pixel selection for coastal land masking and Firevase persistence for continuos data collection toward model retraining
- Ongoing deployment with You(R) Sea - sensor station construction, funding application progress and a 3h advance Telegram bot for optimal window alerts.

AI-Detective(DragonHack) | *Python, Javascript / React, FastAPI, Gemini API, DepthAI* **April 2026**

- Crime scene analysis assitant using OAK-D camera for spatial scanning with depth data, AI-driven questioning for probability analysis and frame annotation system for evidence documentation.

Port Optimization(GDG Hackathon) | *Python, C#, JavaScript / .NET, React, Unity* **May 2025**

- Led a team of four to design and deliver a real-time port operations system, modeling berth allocation, vessel queuing, and traffic flow under realistic operational constraints.
- Built a scheduling and analysis layer that adapts to changing vessel arrivals and external conditions to improve efficiency and reliability of port operations.

SendWise-AI, SaaS | *TypeScript, JavaScript / React, Next.js, Node.js* **Nov. 2025 – Present**

- Designing and building a SaaS platform for AI-powered chatbot and email automation, focused on improving customer communication workflows.
- Experimenting with message routing, automation logic, and system design choices to optimize response quality and system performance.

NFT Wash Trading Detection System | *Java | MPJ* **Dec. 2025 – Feb. 2026**

- Implemented a graph based system for detecting wash trading behaviour in NFT markets, evaluating sequential, parallel and distributed processing strategies on transaction data.

Portfolio | *JavaScript / React, Next.js* **Oct. 2025**

- Developed a polished, responsive portfolio with adaptive theming and a reusable component architecture.

ReachLog | *C#, TypeScript / .NET, Angular, PostgreSQL, Docker* **April 2026 - Present**

- Job outreach tracker with skill gap analytics, multi-platform scraper for internships, Chrome extension for LinkedIn outreach automation and email parser for tracking applications.

Organizations

Student Council **Oct. 2025 – Present**
University of Primorska *Koper, Slovenia*

- Represent Computer Science students in the faculty council, contributing to academic discussions, committees and improvement initiatives.

Student Tutor **Oct. 2025 – Present**
University of Primorska *Koper, Slovenia*

- Support students by clarifying course material, answering questions, problem solving support, and study strategy advice.

Macedonian Student Organization in Slovenia **Jan. 2025 – Present**

- Contribute to student networking and cultural exchange activities by assisting with event coordination and promotion.

Skills

Technical Skills: Python, Java, C#, JavaScript, TypeScript, React, Next.js, Angular, Node.js, .NET, FastAPI, PyTorch, XGBoost, TailwindCSS, HTML, CSS, SQL, PostgreSQL, Firebase, Git, GitHub Actions, Docker, Unity

Soft Skills: Teamwork, Leadership, Attention to Detail, Adaptability, Problem Solving, Customer Service, Team Coordination, Creativity

AI skills

AI Assisted Development: Use Claude Code and CodeRabbit across full stack projects for automated code review, debugging and test generation, accelerating delivery on solo and team work.

LLM Integration &Workflow Automation: Built and deployed automation workflows using Claude API, Composio MCP and GitHub Actions, managing 60+ social media posts per month and supporting IAESTE email campaigns with minimal manual input.

Prompt Engineering: Design optimized prompts for Claude and OpenAI APIs, trained in advanced prompt engineering at Celtra AI Workshop (DragonHack 2026)

Certifications & Training

Advanced Prompt Engineering Workshop *Celtra AI Lead, DragonHack Ljubljana 2026*
Claude Code Development Workflow *Nick Saraev, John Kim (YouTube Series)*