Petru Popa

CS BSc University of Bucharest

linkedin.com/in/petru-popa-0a8650218 | github.com/Petsteb
(+40) 752-069-348 | work.petru@gmail.com
Bucharest, Romania

EDUCATION

Faculty of Mathematics and Computer Science	Bucharest, Romania
Bachelor of Science in Computer Science	*2023 – 2026*
Tudor Vianu National College of Computer Science	Bucharest, Romania
High School Diploma in Computer Science, Grade: 9.6/10	*2019 – 2023*

EXPERIENCE

Data Processing Specialist — Jul 2025
M5 Consulting — *Bucharest, Romania*

- Reviewed decades of financial data for comprehensive accounting analysis and compliance assessment
- Developed VBA scripts to automate data processing workflows, significantly reducing manual review time
- Collaborated with accounting team to identify data patterns and streamline reporting processes

PROJECTS

Excel Data Manipulation Tool | *Claude Code, JavaScript, HTML, CSS, Electron* — Jul 2025 – Aug 2025

- Developed comprehensive data visualization application for M5 Consulting accounting firm using prompt engineering with Claude Code
- Designed complex features from scratch through low-level prompts: infinite free-form workspace, collision detection system and advanced view management
- Currently in distribution process to multiple accounting firms as a specialized data analysis solution

Betting Arbitrage App | *Claude, v0.dev, Python, Next.js, Supabase, Scikit-learn* — Mar 2025 – Jun 2025

- Built app with 2 peers to optimize bets using Kelly's criterion and a match outcome prediction model
- Scraped live odds via 4 Selenium bots built with Claude
- Integrated into a full stack Next.js application with a Supabase SQL backend via v0.dev

Email Automation Script | *Python, Pandas, SendGrid API, LLMs* — Mar 2025

- Built a Python script to send personalized email campaigns via the SendGrid API
- Used Pandas to parse and clean CSVs, extracting names, email addresses and relevant data
- Generated the email template using LLMs for tone, clarity, and extensive personalization

NLP Hackathons | *Python, NumPy, Pandas, Scikit-learn* — 2022 – 2025

- Dialect and Category Text Classification: Achieved 77% accuracy leveraging RoBERTa, TF-IDF, Naive Bayes and Bag of words algorithms (Mar 2025)
- Satire Binary Text Classification: Achieved 87% accuracy leveraging RoBERTa and Random Forest algorithms for Romanian language (Mar 2024)
- Named Entity Recognition: Achieved 71% accuracy with optimized model training through multi threading (Mar 2022)

First Tech Challenge - Robotics Competition | *Software/Hardware/Management* — Nov 2022 – Mar 2023

- ViCyber Team: Won place 44/100 as a rookie team, created team with 2 colleagues in high school
- Secured sponsors, promoted the team through events, successfully recruited teammates
- Hardware development: Developed and implemented mockups to address design and technical challenges
- Software development: Optimized code for the autonomous phase, improving movement accuracy

Technical Skills

Languages: Python, C++, JavaScript, Node.js, HTML, CSS, R, Assembly, PL/SQL
Frameworks & Technologies: Django, Next.js, Electron, Scikit-learn, Pandas, NumPy
Databases: Oracle, Supabase
Tools & Skills: Git, LaTeX, Claude Code, Prompt Engineering, Teaching, OOP, Data Analysis, Machine Learning

Coursework & Certifications

Machine Learning Specialization   2024
Online Course

IT Essentials   2021
Cisco Networking Academy

Volunteering

Business Development Officer   Dec 2024 – May 2025
Business Club   *Bucharest, Romania*

- Organized Storytelling Night - 4 Conferences for students
- Secured one partnership for the project and ensured technical support

Languages & Interests

Languages: Romanian (Native), English (Advanced)
Interests: Engineering, Motorsports, Business, Travel, Cooking, Calisthenics, Bouldering, Photography