DAMJAN ZIMBAKOV

CS Student | Mobile App Developer | ML Enthusiast

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SUMMARY

Computer Science student building production ML systems and cross-platform mobile applications. Experienced in shipping end-to-end solutions - from data pipelines and model training to scalable APIs and Flutter mobile applications with 1,000+ users. Proven ability to translate complex datasets into actionable insights through freelance work and course creation. Seeking internships and job opportunities to leverage expertise in Python, machine learning, Git, and cross-platform Flutter development.

EDUCATION

Faculty of Computer Science & Engineering Skopje, Macedonia
Bachelor in Computer Science, GPA: 9.25/10 09/2023 – 06/2026
Morenci Area Schools Morenci, MI, USA
High School Diploma 09/2022 – 06/2023

EXPERIENCE

Laboratory Teaching Assistant 10/2025 – Present
Faculty of Computer Science & Engineering Skopje
- Supervised and assisted 200+ students in Structural Programming and Intro to Computer Science laboratory exercises, explained concepts, guided them through exercises, graded assignments, and proctored midterms and finals.

Mobile App Developer 10/2024 – Present
NexTime MK *Flutter, Dart, Firebase, Git*
- Led the mobile app development and deployment of a cross-platform Flutter appointments scheduling app for Android & iOS.
- Integrated Firebase push and in-app notifications, and scalable state management, ensuring a robust and reliable application.
- Implemented calendar syncing, unit testing, and analytics tracking, optimizing overall app performance and user engagement.

Full-Stack Web Developer 06/2024 – Present
Dental Center Zebekov *FastAPI, PostgreSQL, Docker, Nginx, Next.js*
- Built a full dental clinic web platform with a public site and admin dashboard, focusing on a robust API & secure experience.
- Implemented doctor management, appointment scheduling with availability checks, multiple calendar views, and multilingual support, expanding the clinic's reach to international patients, and enhancing operational efficiency.
- Delivered a secure, reliable, and user-friendly experience, implementing modern web technologies and DevOps practices to ensure reliable performance and easy maintenance.

Course Creator 03/2023 – 06/2025
Coddy, Inc *C++, Python, Java, JavaScript*
- Designed and authored 10 practice-driven programming courses with integrated in-browser exercises, bite-sized lessons, and automated evaluation. Produced example solutions, test cases, and instructional content used by 600+ learners on the platform.

PROJECTS

Court Vision AI | *Python, FastAPI, PostgreSQL, Docker, NextJS, React, TailwindCSS* 06/2025 – Present
- Developed and deployed a full-stack tennis prediction platform, incorporating machine learning models for backend analytics, ELO ratings, and player statistics.
- Enhanced user experience through a responsive UI/UX with Next.js, React, and Tailwind CSS, ensuring fast rendering and secure data sharing.
- Implemented data visualization for shot charts and point analytics, providing actionable insights from complex datasets.

Lane Detection CV | *Python, OpenCV, U-Net, CNN, Git* 08/2025 – 09/2025
- Implemented road lane detection in video using OpenCV for preprocessing and U-Net/CNN architectures for segmentation and feature extraction, enabling accurate lane tracking and deep learning model application.

TECHNICAL SKILLS

Languages: Python, Java, Dart, C++, SQL, JavaScript, TypeScript
Frameworks: Flutter, FastAPI, Next.js, React
Developer Tools: Git, Docker, CI/CD, Firebase, Nginx, Cloud Hosting
Libraries: Scikit-learn, NumPy, pandas, TailwindCSS, TensorFlow