My name is Bogdan Slišković, and I am a final-year student at the Faculty of Economics, University of Belgrade, majoring in Applied Statistics and Quantitative Analysis. With a GPA of 8.53 and an average grade of 9.8 in statistics-related courses, I have developed strong analytical skills, complemented by a deep interest in data science and machine learning.

Throughout my studies and internships, I have gained practical experience with both supervised and unsupervised learning. I am proficient in Python, particularly with libraries such as NumPy, Pandas, and Scikit-learn. More recently, I have been exploring deep learning frameworks like TensorFlow and Keras. Additionally, I actively maintain a well-documented GitHub repository showcasing my ML projects.

One of my most valuable personal projects was building a Logistic Regression class from scratch in Python, without relying on high-level libraries. The model supports both binary and multiclass classification, includes L1 and L2 regularization with grid search over lambda values, and is trained using batch gradient descent with automatic learning rate decay. It features early stopping based on validation performance and tracks accuracy on both training and development sets throughout training. I'm currently using this class as a foundation for building a simple neural network class from scratch, as part of my effort to explore deep learning at a more profound level.

During my summer internship at Beorol, I built a sales forecasting model in Python using a Voting Regressor that combined Linear Regression, XGBoost, and Random Forest. In a team setting, I also collaborated on a supply chain optimization project, where we built a Python tool that planned deliveries based on sales forecasts, inventory levels, and MOQ constraints. These experiences helped me develop a practical approach to applying ML in real business settings.

Currently, I'm working at the Statistical Office of the Republic of Serbia, where I'm implementing a model for estimating the depreciation of fixed assets in line with EUROSTAT methodology.

In parallel with my formal education, I completed two academic research projects based on the 2007 LSMS survey in Serbia:

- **"Evaluating the Impact of Education on Reservation Wage in Serbia"** – An econometric study in STATA using 2SLS to address endogeneity.
- **"Estimating Average Wage in Serbia"** – A Python-based study exploring wage determination and GDP estimation through sampling analysis.

Additionally, I enjoy creating small tools that automate everyday tasks. Some examples include:

1) A Selenium script that checks my university email and sends notifications to my phone.
2) Git automation scripts that streamline repetitive push/pull operations.
3) A Jupyter Notebook launcher with a file picker for quick access to my projects.

Thank you very much for your time and consideration. I truly appreciate the opportunity and would be excited to contribute and grow as part of your team.

Best regards,
Bogdan Slišković

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