Avazbek Isroilov

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Education

Warwick University — Coventry, UK
Computer Science BSc (Expected: 2.1) — *Oct. 2021 – Jun. 2024*
Relevant modules: Software Engineering Project (77%), Logic and Verification (72%), Computational Physics (80%), Mathematics for Computer Scientists (75%), Database Systems (65%)

Bellerbys College — Brighton, UK
*GCE A-Levels Mathematics, Further Mathematics, Physics, Computer Science – A*A*A*A** — *Jan. 2020 – Jun. 2021*

Experience

iOS Development Internship — Dec. 2023 – Jan. 2024
Warwick Medical School — *Coventry, UK*
- Worked on parenting application PAUSE.
- Learned how to use SwiftUI to design the UI of the application.
- Gained experience in working a Scrum software development methodology

Undergraduate Research Internship in Machine Learning — Jul. 2023 – Sep. 2023
Warwick University — *Coventry, UK*
- Explored various types of Continuous Learning methods applied to Vision Transformers(ViT).
- Applied Adaptive-Distillation-of-Adapters(ADA) to HuggingFace pre-trained ViT for image classification.
- The approach improved the ViT prediction accuracy by 20% on 20 tasks trained sequentially.

Developer (Software) — Dec. 2022 – Apr. 2023
KATER Food&Drink — *Coventry, UK*
- Worked in a student-run mobile application that helps local food providers reach their clients in the university.
- Responsible for building RESTful APIs in Node.js, maintaining MongoDB server, and unit-testing with Jest and SuperTest.
- Learned ways of developing start-up mobile applications and exposed to start-up culture.

Blog Researcher — Nov. 2022 – May. 2023
Warwick Artificial Intelligence — *Coventry, UK*
- Researched the applications of AI in Sports Analytics.
- Studied how Machine Learning and Game Theory can help us optimise overall team performance.
- Published an academic article on Medium explaining how Deep Learning methods are used in Football Analytics.

Academic Projects

Risk Management Tool Web-application
- Worked in a group of 6 students to develop a web application that can track and predict the likelihood of Software project failure based on its features during its development.
- Undertook feature engineering using the NumPy Python library, and developed a logistic regression model using the scikit-learn Python library to predict the outcome of a software project. Used Flask API to integrate the ML model with the Node.js and PostgreSQL server.
- Final project achieved the 2nd highest grade in the cohort.

Technical Skills

Languages: Java, Python, C, SQL (Postgres), JavaScript, HTML/CSS, Flutter/Dart, Swift
Frameworks: Node.js, Flask, RESTful APIs, JDBC, SwiftUI
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Jupyter, Google Colab, MS Azure
Libraries: pandas, NumPy, Matplotlib, Tensorflow Keras, scikit-learn, PyTorch
Certifications: Neural Networks and Deep Learning by Andrew Ng; Pandas course on data manipulation by Kaggle

Interests

Professional: Generative AI, Tech start-ups, Mobile-application development, AI Research, Sports Analytics
Extracurricular: Calisthenics, Table-tennis, Volleyball, Boxing