**Snegur Yuval-resume**

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**Professional Summary**

B.Sc. Computer Science graduate (GPA: 88, Departmental Honors) with hands-on experience in AI, machine learning, and full-stack development. Recognized with Certificates of Excellence and commendation from the Head of Department for academic achievements. Skilled in Python, JavaScript, and modern AI frameworks. Experienced in building and deploying machine learning models, natural language processing tools, and backend systems.

**Projects & Experience**

**AI Email Scanner –** Built a Node.js app integrating with AI APIs to detect phishing and spam content using AI agents. Engineered feature extraction, score interpretation, and result visualization. **Python Interpreter –** Developed an AST-based interpreter including lexical analysis, syntax tree construction, and semantic validation. **ML Foundations & Applied Project –** Implemented linear regression, decision trees, and token-based NLP tools. Developed a linear regression model to predict a person's age from hand X-ray images. **Responsive Interfaces –** Developed UIs using HTML5, CSS, React, Bootstrap, and Material UI.

**Technical Skills**

**Programming:** Python, JavaScript, SQL, Java, C, C++  
**AI & ML Tools:** scikit-learn, pandas, NumPy, TensorFlow, PyTorch, OpenAI API, tokenization, NLP  
**Data:** Data Analysis, Feature Engineering, Model Deployment  
**Frontend:** HTML5, CSS, React, Bootstrap, Material UI  
**Backend:** Node.js, Express.js, REST APIs  
**Databases:** MongoDB, SQL  
**Tools:** Git, Docker, Postman, VSCode  
**Environments:** Linux, Windows

**Military Service**

**Avionics Team Leader** – Israeli Air Force (IDF) | 2019–2021  
Led a technical team under high-pressure conditions. Diagnosed and resolved avionics malfunctions in real time.

**Languages**

Hebrew – Native | English – Fluent | Russian – Advanced