Part-time job as a full-stack developer to setup webpage to showcase model outputs in real time

We are modelling the effects of space weather on the Earth's magnetosphere and atmosphere. The project is part of an ESA effort to provide knowledge and predictability of hazardous space weather conditions for Earth.

We need a part-time developer who can develop the necessary tools to present our model output on a local website that will be integrated into the ESA portal. The model output are time-series plots and 2D maps. The webpage must have functionality to enter specific dates/times.

Project start up: April 2022
Project duration: 18 months
Approximately project hours: 800

We are looking for a Master's student in computer science with the following skills:

- Basic Linux
- Basic web hosting knowledge
- APIs to facilitate data transfers to and from other ESA products
- Database (e.g. mysql) to merge two different model outputs
- OpenAM
- Backend development for instance: Pyhton (e.g. django, flask, or fastAPI), Java spring-boot, or Javascript node.js)
- Frontend for instance: Highcharts, React, Angular or Vue

Interested parties may send an e-mail to else.johannesen@uib.no by Monday February 7th, 12:00. A full application is not needed, only a note if you are interested.