



VAIDEHI NARSINGH
EARTH AND SPACE PHYSICS
ENGINEERING,
DTU DENMARK &
ENVIRONMENTAL SCIENCE
ETH ZURICH



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LANGUAGES

English : Professional working proficiency
Marathi: Native language
Hindi : National Language
Danish : Working proficiency, level 2/5
German: Limited working proficiency,
Base level

REFERENCES

Jens Olaf Peter Pedersen
Senior Scientist and Professor at
Technical University of Denmark
jopp@space.dtu.dk

PROFILE

- Constructive and dynamic with the ability to work in demanding situations, oriented towards problem solving and motivated about learning new skills and techniques.
- Passionate for Climate change mitigation and adaption and combating climate challenges by taking climate actions.

EXPERIENCE

Syntel Ltd. Mainframe Developer Sept' 2015 – Oct' 2017

Project: Automated Enrollment

Client: HUMANA Healthcare Company,
U.S.A



Role: Developer

Accountabilities: 2 years of Experienced in Healthcare IT domain. Meticulous, organized and determined Developer with extensive experience in liaising between business and technical departments and personnel. Experienced in Requirement Analysis, Coding, Testing, Deploying and Validating various process of deployment using COBOL language.

Achievements: Showed extensive self-learning attribute to fulfill domain requirement by client. Given major focus delivering knowledge transfer to new comer for establishing equivalency within the team.

EDUCATION

Masters in Earth and Space Physics and Engineering

Technical University of Denmark (DTU),
Denmark

August 2017- September 2018

Key courses: Climate Modelling- Past & Future,

Climate physics & observation, Earth system science, Remote sensing



Master mobility student in Environmental Science Engineering

ETH, Zurich

September 2018- September 2019

Key courses: Carbon Mitigation, ETH

Sustainability, Glaciology, Climate policy, Paleoclimate.

ETH zürich

Bachelors in Electronics Engineering

Walchand Institute of Technology (WIT), India

August 2011- May 2015

Graduated with honors and Scholarship and secured
74.54%.



Secondary School

Dayanand Anglo Vedic Public School (DAV),
Mumbai, India

August 2009- May 2011

Secured 92% and 70% in High school and higher
secondary school respectively



PERSONALITY TRAITS

- Strong motivational skills and work ethics.
- Excellent communication skills in written and verbal both.
- Excellent relationship building & interpersonal skills.
- Strong analytical, problem solving organizational abilities.
- Possess a flexible & detail-oriented attitude.

AWARDS

- Awarded tuition fee waiver grant by DTU for my master program based on academic excellence.
- Awarded Scholarships by Swiss Federal government and Henning Roelli's foundation based on merit.
- Awarded Second prize in "Youth Festival Dance Competition, 2012, India".
- Rewarded "Synergy" title in agile project in Syntel, India.
- Received appreciation from client on accurate and timely delivery of deliverables in Syntel.

HOBBIES

- Dancing
- Reading
- Drawing
- Organizational duties in events

SOFTWARE KNOWLEDGE

- Advanced user in MATLAB used in academic projects, DTU.
- High proficiency in languages like: COBOL-Mainframe, DB2, VSAM, CICS used in Syntel.
- Intermediate level in languages like: C, C++, Python
- Skilled at utilizing computational tools: MS Excel, PowerPoint
- Advanced user of MsOffice2015
- Advanced user of LaTeX used in academic projects, DTU.
- Expert in Data Analysis and Data processing in Earth and Space Physics, Remote sensing, Climate modelling.

ACADEMIC PROJECTS

- "The role of soil in Carbon Mitigation" as a Master thesis project.
- "Tectonics and Climate Change" as a Master Synthesis project.
- "Exploration of alternative emission scenarios using MAGICC6 (IPCC)" in Climate modelling master course.
- "Greenhouse gas emissions response model considering Paris agreement" in Earth System Science master course.
- "Retrieval of atmosphere/ocean parameters from AMSR satellite data for 100% sea ice and no ice concentration" assisted the project in Remote Sensing master course.
- "Mechatronics based Remote Controlled Agricultural robot- Design and implementation of autonomous mobile robot for pest controlling and disease prevention applications" as a Bachelor's Thesis.

EXTRA CURRICULAR AND VOLUNTEER EXPERIENCE

- Participated in COP-24 held in Katowice, Poland as a student delegate from ETH Zurich, where I met national delegates of different countries all over the world and discussed their strategies on the incubation and promotion of startups and businesses focused on climate change.
- Active student member of the official Youth constituency to the UNFCCC "YOUNGO" & "SDG ambassador" of UN City.
- Participated in 'Zurich Climathon 2018' and 'The Copenhagen Smart City Challenge', where my team conceived the idea of making an app for reduction of food waste and identifying and building a network of eco-friendly packaging materials. We successfully made and presented a business case out of it.
- Participated in 'ETH Sustainability Week 2018' themed on sustainable energy. I participated in building a business case for the development of a process and an app to help people calculate the CO2 footprint of the groceries and other food products they purchase.

