

Shekhar Jadhav

FIRST YEAR GRADUATE, MASTER OF SCIENCE IN PHYSICS · PHOTONICS

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“You can't jump straight to the end, the journey is the best part.”

Education

Lund University

MASTER OF SCIENCE IN PHYSICS, PHOTONICS

Lund, Sweden

August. 2017 -

Indian Institute of Technology Delhi (IIT Delhi)

BACHELOR OF TECHNOLOGY IN ELECTRICAL ENGINEERING

Delhi, India

July. 2013 - May. 2017

Bachelor Thesis

Indian Climate Prediction from CMIP5 models by Machine Learning

IIT Delhi, India

SUPERVISORS: DR. SESHAN SRIRANGARAJAN, DR. SAROJ K. MISHRA

Jul. 2016 - Nov. 2016

- Aim to find an optimal model for Indian Climate from 24 CMIP5 Models and compare it to the Indian Meteorological Department (IMD) data.
- Implemented **Multiple Linear Regression** and **Multiple Polynomial Regression** to fit the model with appropriate degree.
- Implemented **Feed Forward Neural Network (FFNN)** with **Backpropagation** and using **Levenberg Marquardt Algorithm** to optimize the model.
- Obtained promising results to predict the climate and the error for the temperature and rainfall was very low, with a good correlation.

Experience

Summer Internship at ABH utbildning och rådgivning.

Gothenburg, Sweden

WEB DEVELOPER

May. 2016 - Jul. 2016

- Worked with a web-project for a Swedish company, where I developed a web application.
- The Application included knowledge about **laravel, databases, php, Javascript, jquery and HTML5**.

Extracurricular Activity

Lunds Studentteater

Lund, Sweden

TECHNICAL OPERATOR

August. 2017 -

- Worked with technical team, operated the lights and sounds during the play "The House of Bernarda Alba".

Volunteer for Bhatti Mines Teaching Project

Delhi, India

TEACHING VOLUNTEER

May. 2014 - Jun. 2014

- Social work, teaching basic science to unprivileged children living near Bhatti Mines.
- Proposed and Implemented various teaching methods through different activities to create interest in the children.

Scholastic Achievements

INTERNATIONAL

2011	Secured International 42 rank in final round , International Mathematics Olympiad (Conducted by SOF)	India
2009	Secured International 438 in final round , International Mathematics Olympiad (Conducted by SOF)	India
2009	Secured International 84 in first round , International Mathematics Olympiad (Conducted by SOF)	India

Technical Skills

Languages Python, C++, Java, MATLAB, Verilog HDL, HTML5, PHP, JavaScript, MySQL

Software OpenCV, Ngspice, AutoCAD, Quartus, Arduino

Hobbies

Sports & Games Cricket, Football, Chess, Video Games especially FIFA

Interests Watching Movies and TV shows, Trekking.