

Abhijeet Parida

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🌐 <http://www.abhijeetparida.ml/>

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Education

Technical University of Munich

Munich, Germany

M.S. IN COMPUTATIONAL SCIENCE AND ENGINEERING, GPA- 2.4*

Oct 2016- till date

- Programming Course- Numerical Programming Scientific Computing, Parallel Programming
- Machine Learning Course- Data Mining, Engineering Data Analysis, Statistical Modelling and Machine Learning

Amrita School of Engineering (Amrita Viswavidyapeetham,Coimbatore)

Bangalore, India

B.TECH IN MECHANICAL ENGINEERING,CGPA- 8.54/10** (FIRST CLASS WITH DISTINCTION(INTERNATIONAL INTERN))

Aug. 2012 - May 2016

- Courses-Fundamental Algorithms, CAD/CAM, CAE

Experience

Werkstudent

UNTERNEHMERTUM, GARCHING

Jan. 2018- till date

- Investigating Deep Learning prospects for a BMW Project "Automated Assignment of Measurement Points in Automotive Assembly"

Wissenschaftliche Hilfskraft(Research Assistant)

CENTER FOR ENERGY MARKETS, TU MUNICH

Oct. 2017- till date

- Web Scrapping and Data Mining EURIBOR rates

Skills

Language Tools

C/C++, CUDA, openMP, MPI, Python ,MATLAB, Julia, R, Arduino
Microsoft Office,CATIA , Ansys Workbench, openFOAM,LateX

Technical Projects

Total Variational Blind Deconvolution on CUDA

GPU PROGRAMMING FOR COMPUTER VISION, TU MUNICH

May. 2017- Sept. 2017

- Implementation of [Blind Deconvolution](#) of an image on CUDA.

Statistical Modeling of Bundesliga Football Matches

STATISTICAL MODELING AND MACHINE LEARNING, TU MUNICH

Apr. 2017 - Jun. 2017

- Best student project for SS2017.
- Predicted individual [game outcomes](#) based on the team performance of past 5 seasons using R

Monte Carlo Simulation Based Flood Forecast

ENGINEERING DATA ANALYSIS, TU MUNICH

Apr. 2017 - Jun. 2017

- Predicted the chances of a flood using [Monte Carlo](#).

Direct Numerical Simulation of Secondary Atomisation of a Drop in Air

SUMMER INTERN,TU MUNICH

Mar. 2016 - Oct. 2016

- Parameter study on the We_c v/s Shock Strength in predeveloped C/C++ codes to simulate bubble breakup in air

Design and Analysis of a Mach 8 Waverider

HYPERSONIC LAB, AMRITA UNIVERSITY

Oct. 2015-Mar. 2016

- Helped setup the first Hypersonic Shock Tube in a private University in India
- Parameter study on the shapes and performance of a Mach 8 Waverider using ANSYS Workbench and verified results in ShockTube.

Presentations

Numpy Workshop at Amrita School of Engineering

Bangalore, India

PREPARED WORKSHOP

Mar. 2018

- Short [introduction to NumPy](#) for Numerical methods in solving ODEs and PDes for Mechanical Engineers

Course: Deep Learning for Computer Vision

Munich, Germany

POSTER: "[FACIAL EXPRESSION PREDICTION](#)"

Feb. 2018

Seminar: Computational Social Science

Munich, Germany

POSTER: "[KNOWLEDGE TRANSFER ON STACKOVERFLOW AS A INDICATOR OF MIGRATION OF PROFESSIONALS](#)"

Feb. 2018

Honors & Awards

2015 **Finalist**, Poster Presentation, Indo-Dutch International Conference, Design for Sustainable Well Being

Bangalore, India

2014 **Second & Best Overall Concept** , All Terrain RC Car Race, Pravega, IISc

Bangalore, India

2014 **Third**, Grid Solver Robot, gravITas, VIT

Vellore, India

* GPA: 1,0 - 1,5 VERY GOOD, 1,6 - 2,5 GOOD, 2,6 - 3,5 SATISFACTORY, 3,6 - 4,0 SUFFICIENT, 4,1 - 5,0 FAIL.

** CGPA: 10-8 FIRST CLASS , 8-6 SECOND CLASS,6- 5 PASS