Pranjal Dhole (M.Sc.) | Resume

⟫⟫⟫ Personal Information

❯ **Status:**   Research Assistant at Hochschule Bonn-Rhein-Sieg

❯ **Fields**   Computer vision, Machine learning, Mathematical modelling

❯ **Prefers:**   Python, Matlab, Git, C++

❯ **Email:**   dhole.pranjal@gmail.com,   pranjal.dhole@inf.h-brs.de

⟫⟫⟫ Employment history

| 07.2017 - present | **Research Assistant** | **Hochschule Bonn-Rhein-Sieg** |

❯ Machine-learning-based modelling of fluid-flow around 3D shapes (Development of Vehicle Exteriors project).

❯ Teaching assistant for Computability and Complexity II (WS2017-18).

| 09.2015 - 11.2016 | **Doctoral Researcher** | **Research Center caesar** |

❯ Development of extended 3D-geomtric eye-tracking model.

❯ Skills - Computer Vision, 3D modelling, machine learning

| 08.2014 - 09.2015 | **Student Assistant** | **BCGS, Bonn office** |

❯ Organization of the intranet system

❯ Assistance in administrative tasks

| 11.2013 - 03.2014 | **Student Assistant** | **University of Bonn** |

❯ Preparation of lecture notes for course 'Advanced atomic, molecular and optical physics' taught by Prof. Dr. Michael Köhl at University of Bonn during WS2013-14.

⟫⟫⟫ Education

| 03.2016 - present | **Masters in Autonomous Systems** | **Hochschule Bonn-Rhein-Sieg** |

❯ Research and development project: I am currently involved in developing neural network-based predictive model for aerodynamic profiles of NACA airfoils.

❯ Computer Vision project: I am currently working on Rubik's cube detection and its pose estimation using geometric modelling.

| 10.2012 - 08.2015 | **Graduated as M.Sc. in Physics** | **University of Bonn** |

❯ Masters thesis: Emergent Gravity and Cosmology: Thermodynamic perspective (Slides available at www.thp.uni-koeln.de/gravitation/mitarbeiter/dhole.html.)

| 06.2009 - 05.2012 | **Graduated as Bachelor of science** | **Christ University** |

❯ Triple major in Physics, Mathematics and Chemistry

⟫⟫ Computer Skills

Programming languages	Python, MatLab, C++, ROS.
Web development	HTML, CSS, jQuery, JavaScript.
Algebra	Mathematica.
Media	LaTeX, Microsoft Visual Basic, Adobe Illustrator.
Operating systems	Linux, Windows.

⟫⟫ Languages

English	Fluent	German	limited working proficiency (B1.1)
Marathi	Native language	Hindi	Native language

⟫⟫ Talks and Invited Seminars

- Masters Colloquium: 'Emergent Gravity and Cosmology: Thermodynamic Perspective', University of Bonn, May 22, 2015.

- Invited Talk - 'Emergent Gravity - Thermodynamic Perspective', BCGS Weekend Seminar at the Physikzentrum, Bad Honnef, Germany, April 19, 2015.

⟫⟫ Awards, Grants and Prizes

- Scholarship €6,000 in total, Stiftung caesar, for period of 6 months starting Sept., 2015.

- 2nd place in Convergence – Inter-collegiate Mathematics fest 2011.

- 2nd place in Eureka – Intercollegiate Physics Festival 2011.

- 3rd place in Chemicus – Intercollegiate chemistry fest in crosswords (B. Sc. 5th Semester) 2011.

- 2nd place in Chemicus – Intercollegiate chemistry fest in 20 questions (B. Sc. 5th Semester) 2011.

- 2nd place in Intercollegiate Mathematics Quiz (B. Sc. 3rd semester) 2010.

- 1st place in Intercollegiate Mathematics Quiz at NMKRV (B. Sc. 3rd Semester) 2010.

- 2nd place in Intra-collegiate Mathematics Quiz (B. Sc. 2nd Semester) 2010.

- 1st place in Intra-collegiate Mathematics Mega Event (B. Sc. 2nd Semester) 2010.

- 3rd place in Inter-collegiate Science Quiz (B. Sc. 1st semester) 2009.

⟫⟫ Reference

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