

Bhupender Bindal

✉ bhupender.bindal@gmail.com ☎ 17635676208

📍 Bienroder Weg 54, 38108 Braunschweig, Germany 📅 04/04/1994 🇮🇳 Indien

👤 Male



Profile

I am a master's student in the fourth semester of the Computational Sciences in Engineering course at TU Braunschweig and have a keen interest in machine learning and computer vision.

Education

09/2021 – present
Braunschweig, Germany **Masters in Computational Sciences and Engineering,**
Technische Universität Braunschweig

07/2013 – 06/2017
New Delhi, India **Bachelor of Technology in Mechanical Engineering,**
Jamia Millia Islamia University
CPI: 8.64 out of 10

Professional Experience

06/2022 – 04/2023
Braunschweig **Hiwi student, PTB**

- Project: Sample tip distance control in Atomic Force Microscope (AFM) using AI controller(Simulation)
- It was a continuation work in which DDQN was used as an agent
- Implemented some other features like augmenting training data, prioritized experience play and dueling network based on implementations of rainbow DQN paper
- Streamlined training experiments and storage of results
- Created preliminary project documentation using Sphinx

06/2022 – 02/2023
Wolfenbüttel **Hiwi Student, Ostfalia Hochschule**

- Project: KI4All
- Worked on two microcredits: History of AI, Single Layer Perceptron

10/2017 – 08/2021
New Delhi, India **Design engineer, Tata Consultancy Services Ltd.**

- Execution of layout and packaging of parking sensors in passenger cars adhering to safety standards for a Japanese automaker
- 3D modeling from styling surfaces
- 2D drawings of the bumper and related mounting
- Designed pneumatic and hydraulic systems in shipbuilding as a member of the Ship Systems Design team in collaboration with the other design departments

Languages

Hindi



English



IELTS 7.5

Deutsch



DSH-1

Courses

12/2021 – 02/2022

Braunschweig, Germany

Intro to ML with TensorFlow Challenge Course, Udacity

- Supervised learning using Python's scikit-learn library for regression and classification and also assessing the generalization of the model on unseen data
- Applied NumPy to manage data in arrays and Pandas to create data structure from .csv files and do further manipulations on them
- Learned git bash command line and Version Control System
- Learned GitHub to create and collaborate on projects

Personal Mini Projects

- Dogs and cats image classification using transfer learning
- Calculator using the Tkinter library