

# Kenneth Goveas

Max Planck Institute of Animal Behaviour  
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🐙 [github.com/Kenneth-Goveas](https://github.com/Kenneth-Goveas)

## Work experience

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<b>Max Planck Institute of Animal Behavior (MPI-AB)</b> Coordinator for Tag Development.	Since 2022
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## Education

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<b>Rheinisch-Westfälische Technische Hochschule (RWTH) Aachen</b> Master of Science in Robotic Systems Engineering.	2023
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<b>Indian Institute of Science (IISc) Bangalore</b> Bachelor of Science (Research) in Physics.	2019
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## Projects

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<b>Lightweight low power cellular-network-based biollogger</b> Department of Migration, MPI-AB.	Since 2022
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<b>Learning the stage cost in model predictive control</b> Institute for Data Science in Mechanical Engineering, RWTH.	2022
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<b>Flight computer for automatic control of rocket air-brakes</b> Mechanical Systems Division, Space Team Aachen e.V.	2021
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<b>Modelling and control of a quadrotor helicopter</b> Department of Physics, IISc.	2019
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## Fellowships

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<b>Kishore Vaigyanik Protsahan Yojana (KVPY)</b> Indian national fellowship programme including stipend and contingency grant.	2015-2019
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## Technical skills

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### Programming and computing

C/C++, Python, Java, Bash, Mathematica, Makefile, CMake, Git, SQL,  $\text{\LaTeX}$ , Parallel computing, Networking and sockets, Linux programming.

### Embedded systems

Printed circuit design, Zephyr RTOS, Raspberry Pi, AVR microcontrollers, Arduino.

### Mathematical skills

Nonlinear dynamics and control, probability and statistics, numerical optimisation, machine learning.

## Relevant courses

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Learning-based control, applied numerical optimisation, multi-body dynamics, machine learning, pattern recognition and neural networks, probability and statistics, statistical mechanics, ordinary differential equations, game theory.