

Ashwin Devanga

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Education

UNIV. OF NORTH DAKOTA (UND)

PHD IN COMPUTER SCIENCE
Jan'25 - Current Grand Forks, ND
GPA: 3.788/4.0

NORTHEASTERN UNIVERSITY

MS IN DATA ANALYTICS ENGINEERING
Sept'20 - Aug'22 Boston, MA
GPA: 3.788/4.0

INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI (IITG)

BTECH IN BIOTECHNOLOGY
May'16 - Jun'20 Guwahati, India

Links

GitHub [ashwin-M-D](#)
LinkedIn [ashwin-devanga](#)
website [ashwindevanga.com](#)

Teaching Assistantship experience

- Reinforcement Learning
- Simulation Analysis
- MetaHeuristics
- Secure Software Engineering
- Object Oriented Programming

Skills

PROGRAMMING

Python • R • Matlab • C • Java • C++ • Bash • SQL

MISCELLANEOUS

LaTeX • Tableau • Microsoft Office • Make • CMake • Git

Interests

RESEARCH INTERESTS

MACHINE LEARNING

- Reinforcement Learning
- Data Mining

HOBBIES

OPERATING SYSTEMS

- Linux userspace optimisation and Virtual Machines

ADVENTURE SPORTS

- Snowboarding, Kitesurfing, Hiking

Experience

TEACHING ASSISTANT

UNIVERSITY OF NORTH DAKOTA
Jan'25 - Current Grand Forks, ND

SOFTWARE ENGINEER IN TEST: MATH, DATA ANALYTICS AND SCIML TOOLS

MATHWORKS
Oct'22 - Oct'24 Natick, MA

TEACHING ASSISTANT

NORTHEASTERN UNIVERSITY
Jan 2021 - Aug 2022 Boston, MA

RESEARCH ASSISTANT

NORTHEASTERN UNIVERSITY
Jan 2021 - Aug 2022 Boston, MA

RESEARCH INTERNSHIP

CHUBU UNIVERSITY
May 2018 - Jul 2018, May 2019 - Jul 2019 Nagoya, Japan

Publications

AI-DRIVEN MULTI-OBJECTIVE UAV ROUTE OPTIMIZATION

WSC 2024
Dec 2024 Orlando, FL
• Belsare, S., Devanga, A. and Dehghanimohammadabadi, M.

USING REINFORCEMENT LEARNING FOR DECISION MAKING IN INDUSTRIAL SIMULATION ENVIRONMENTS

WSC 2022
Dec 2022 Singapore
• Devanga, A., Emily Diaz Badilla and Dehghanimohammadabadi, M.

DM-GYM: A REINFORCEMENT LEARNING PYTHON LIBRARY FOR DATA MINING PROBLEMS

NORTHEASTERN UNIVERSITY: MS THESIS
Aug 2022 Boston, MA
• Devanga, A. and Dehghanimohammadabadi, M.

COLLABORATIVE LEARNING OF HUMAN AND COMPUTER: SUPERVISED ACTOR-CRITIC BASED COLLABORATION SCHEME

ICPRAM 2019
Feb 2019 Prague, Czech Republic
• Devanga, A. and Yamauchi, K.