

DIPESH PANDEY

As a master's student in computer science having some experience working in the industry, I am now looking to expand my knowledge in software engineering, machine learning, backend development, and data-driven product development. I am a fast learner, driven individual always eager to work in innovative companies

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dipeshpandey.com **in** [dipespandey](#) **o** [dipespandey](#)

Professional experience

Norwegian University of Science and Technology

Gjøvik, Norway

Research Assistant(Part-time)

Jan/2021 - Jan/2022

- Work on hands-on programming of humanoid robots for school children
- Research the state-of-the-art methods used in the human robot interaction field and publish papers on the same

Teamcoda

Remote

Freelance Developer (Part-time)

Sep/2019 - Dec/2020

- Worked as a backend developer with emphasis on API development, data analysis, with some time dedicated to frontend
- Built applications using serverless and microservice architectures especially focusing on cloud technologies like AWS and GCP

MyriadX - Full Identity Resolution

Singapore

Developer(Remote based in Nepal)

Mar/2018 - Oct/2020

- Worked with massive datasets mainly related to user activities on several websites of the clients. Included collection and transformation of data from few big clients in APAC

Education

Masters in Applied Computer Science

Gjøvik, Norway

Norwegian University of Science and Technology

Aug/2020 - Present

- Taking courses ranging from web and mobile technologies to deeplearning with the specialization on blockchain technologies

Projects

Wheatears detection from wheat field images

Gjøvik, Norway

Norwegian University of Science and Technology

Aug/2020 - Dec/2020

- As a part of the deeplearning course, deeplearning was to detect wheat ears from the images of wheat fields taken by robots

NTNU Orientation ChatBot

Gjøvik, Norway

Norwegian University of Science and Technology

Aug 2021 - Dec/2021

- As a part of the course Content Indexing and Retrieval, a chatbot was built for NTNU for students to query about the programs taught in NTNU, along with the requirements for each course to help them get the required information before applying to a specific program

Papers Published

- D. Pandey, A. Subedi and D. Mishra, "Improving language skills and encouraging reading habits in primary education: A Pilot Study using NAO Robot," 2022 IEEE/SICE International Symposium on System Integration (SII), 2022, pp. 827-832, doi: 10.1109/SII52469.2022.9708843.
- Subedi, A., Pandey, D., Mishra, D. (2022). Programming Nao as an Educational Agent: A Comparison Between Choregraphe and Python SDK. In: Ben Ahmed, M., Boudhir, A.A., Karaş, İ.R., Jain, V., Mellouli, S. (eds) Innovations in Smart Cities Applications Volume 5. SCA 2021. Lecture Notes in Networks and Systems, vol 393. Springer, Cham. https://doi.org/10.1007/978-3-030-94191-8_29

Technical Skills

Programming Languages: Python, Javascript, Typescript

Machine learning: NLTK, PyTorch, Gensim, Spacy

Web: Angular, Django, Flask, NodeJS, NestJS, Ionic, Flutter

Database: MySQL, PostgreSQL, MongoDB, Firebase

Cloud Services: AWS, GCP

Extra: Selenium, PhantomJS, BeautifulSoup, Scrapy, Puppeteer

Participations

DnB Digital Challenge NTNU 2021, Trondheim, Norway

Was the part of the group who came out as the top 10 finalists of the hackathon. We built an app that encourages people to opt to greener activities

Refinitiv Summits 2019, Singapore

Provided on-site development support during the summit held in Singapore consisting of 500+ participants

Certifications

Neural Networks and Deep Learning(Online Course by deeplearning.ai) - *Learned the basics of deep learning, as well as learned to create my own neural network from scratch*

Data Science for Business Innovation(Online course by EIT Digital and Politecnico di Milano) - *Learned how data science is used in business applications*