Dipesh Pandey, Software Engineer

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Summary

Experienced software engineer and researcher with over 5 years of experience, specializing in data-intensive platforms. Currently looking for opportunities that lie at the intersection of deep learning, academic research, AI safety, and large-scale software engineering. Favors working in startups with small teams to produce meaningful work in an iterative manner.

Experience

Full-Stack Engineer | Nofence AS | Oslo, Norway | August 2023 - Present
- Working on building the core infrastructure of the company, including ETL pipelines and analytics tools.
- Built and shipped an online store that caters to about 50k users all over the world.
- Communicating and coordinating with several cross-functional teams within the company including sales, firmware, marketing, and logistics.

Software Engineer | Retriever AS | Oslo, Norway | July 2022 - June 2023
- Built ETL pipelines to manage social media data and trained deep learning models for sentiment analysis and named-entity recognition.
- Built a large-scale web scraping platform to extract data from complex websites in the range of 500k URLs per day using techniques like proxy IPs, captcha bypass, HTTP request manipulation, etc.
- Responsible for working in both the infrastructure and the backend team to build and test internal libraries and APIs.

Open-Source Maintainer/Contributor | Studentradioen i Oslo, Radionova | Oslo, Norway | July 2022 - Present
- Maintainer and contributor of the Radionova Project that is a platform for helping young students start their career in radio-tech and journalism in Norway.
- Responsible for handling IT issues including tech support, feature development, networking as well as access management of the members involved.
- Secured the Microsoft Non-Profit Grant of $3000/year to migrate the on-premise infrastructure of the organization to Azure.

DeFi Research Intern | E-Krone AS | Oslo, Norway | January 2022 - May 2022
- Compiled information from several research papers and whitepapers to help build a pricing model for a decentralized exchange, which was a core product of the company.

Research Assistant | Norwegian University of Science and Technology | Gjøvik, Norway | January 2021 - March 2022
- Worked as a teaching assistant to help students with their Database Management course. Also, helped the professor build and grade the assignments.
- Worked as a research assistant under PhD students supervised by the professor of robotics under the area of human-robot interaction.
- Published and presented two papers in renowned conferences during the period.

Education

Master of Applied Computer Science | Norwegian University of Science and Technology | Gjøvik, Norway | Aug 2020 - June 2022
- Wrote a research paper based on deep learning in images for an agriculture-based project in collaboration with a renowned industry in Norway using a custom dataset of about 4700 RGB images.
- Wrote the masters thesis comparing two decentralized exchanges (Uniswap and Pancakeswap).

Publications

- **Improving language skills and encouraging reading habits in primary education: A Pilot Study using NAO Robot**
  Dipesh Pandey, Anushka Subedi, and Deepti Mishra
  IEEE/SICE International Symposium on System Integration (SII) 2022

- **Programming Nao as an Educational Agent: A Comparison Between Choregraphe and Python SDK**
  Anushka Subedi, Dipesh Pandey, and Deepti Mishra
  In Innovations in Smart Cities Applications Volume 5 2022

- **Decentralized exchanges: A qualitative comparison against centralized exchanges**
  Masters Thesis Aug 2022