Archana Ojha

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📍 **Home:** Yliopistokatu 46 as 626, 90570 Oulu (Finland)

WORK EXPERIENCE

🏢 *Nome OY* – Oulu, Finland

City: Oulu | **Country:** Finland

Software developer Intern

[14/07/2025 – Current]

Report Generator Application (Ongoing Project)
React | Node.js | Express | ArangoDB | MQTT | Agile | Bootstrap
- Building a full-stack application to generate analytical reports from real-time MQTT data.
- Implementing CRUD features, REST APIs, and responsive UI using React and Bootstrap , with Node.js for the backend.
- Working in an Agile environment and applying C4 architectural modeling for system design.
- Implementing Postman collections for API validation.
- Performing manual tests to ensure accuracy of data retrieval and report generation.

EDUCATION AND TRAINING

Bachelor of Engineering
Oulu University of Applied Sciences [08/2023 – Current]

City: Oulu | **Country:** Finland | **Website:** www.oamk.fi | **Field(s) of study:** Information Technology

Bachelor of Business Studies
Tribhuvan University [08/2015 – 12/2019]

City: Dhangadhi | **Country:** Nepal

SKILLS

JavaScript / Python / React / Node.js / Jenkins / Linux / Git / PostgreSQL / NoSQL / REST Api / Agile development / TypeScript / Bootstrap / HTML / CSS / Rest Api

PROJECTS

[10/04/2025 – Current]
Ecommerce App A full-stack E-commerce app with user authentication, product listings, admin profile for product management, and add-to-cart functionality. Built with React, Bootstrap, Node.js, Express, and PostgreSQL using JWT and bcrypt for security.

Link: https://github.com/ojhaarch2054/EcommerceApp

Budget Tracker It is a web application which allows user to manage their daily finances. It is made using React, Bootstrap, Node.js, Express and PostgreSQL.

Link: https:// github.com/ojhaarch2054/Budget_tracker

Movie App This is a complete movie application made using React, Node.js, Express and PostgreSQL and was made in a group as a part of the coursework. The movie app enables users to explore movies, view showtimes, create groups and engage with other users.

Link: https://github.com/Movie-App-Project-OAMK-G15/movie_app

Contact Manager A simple MERN stack website which can serves as a contact manager web application. In this website a user can create new contacts, modify existing contacts, search for contacts and delete contacts. React framework and Bootstrap is used in UI design and Node.js, Express and MongoDB is used in backend.

Link: https://github.com/ojhaarch2054/Contact_Manager

Quizzify App This app was developed in a group for our coursework. It is a quiz app in which user can take quizzes on various topics. The results from the quizzes are stored and the user can find insights on their performance on the quizzes. I worked in the UI design for this project using Bootstrap, HTML and CSS.

Link: https://github.com/Gloryozo/Quizzify

CERTIFICATIONS

[08/05/2025 – 12/05/2025]
Python for Data Science, AI & Development

I gained skills in Python programming and data analysis using Pandas and NumPy through this course.

Link: https://www.coursera.org/account/accomplishments/verify/588XQ123BIOG?
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[01/03/2025 – 23/03/2025]
Developing Front-End Apps with React

I learned how to build web pages and apps using JavaScript and React. The course taught me to create fast,
interactive websites with reusable components. I also learned important React concepts like props, states, hooks,
forms, and Redux.

Link: https://www.coursera.org/account/accomplishments/verify/QWU5PK7MTBHU

[27/03/2025]
Getting Started with Git and GitHub

I learned how to use Git and GitHub for version control in software development. I learned to track and manage code
changes, work with repositories, and use branches to create different project versions. The course also covered pull
requests (PRs) for collaboration, reviewing changes, and merging code.

Link: https://www.coursera.org/account/accomplishments/verify/JGY7GNLQWHCA

[24/03/2025]
Introduction to Agile Development and Scrum

I learned that Agile is part of DevOps and focuses on small steps, simple products, and teamwork. I learned to write
user stories, estimate tasks, and track them on a kanban board. I also learned about Scrum, sprint planning and how
Agile helps teams work faster and make customers happy.

Link: https://www.coursera.org/account/accomplishments/verify/O1Z5MSJ69P3V

[19/03/2025]
Introduction to DevOps

I learned that DevOps focuses on shared responsibility, openness, and learning from mistakes. It includes practices
like CI, CD, coding as infrastructure, and testing early. DevOps also involves using cloud services, automating tasks,
and improving team collaboration.

Link: https://www.coursera.org/account/accomplishments/verify/8RZHQCIDMFZA

[21/03/2025]
Introduction to Cloud Computing

I learned the basics of cloud computing, including its history, key characteristics, and service models like IaaS, PaaS,
and SaaS. The course also covered cloud deployment models (public, private, hybrid) and cloud infrastructure
components.

Link: https://www.coursera.org/account/accomplishments/verify/TTHWFNFNIBJH

LANGUAGE SKILLS

Mother tongue(s): Nepali

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Hindi

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

Finnish

LISTENING B1 **READING** B1 **WRITING** B1

SPOKEN PRODUCTION B1 **SPOKEN INTERACTION** B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

English

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Hindi

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

Finnish

LISTENING B1 **READING** B1 **WRITING** B1

SPOKEN PRODUCTION B1 **SPOKEN INTERACTION** B1