



Archana Ojha

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WORK EXPERIENCE

🏢 **Nome OY** – Oulu, 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

Python / Git / CI/CD / DevOps / Jenkins / Robot Framework / Linux / JavaScript / React / HTML / PostgreSQL / REST Api / Agile development / Node.js / CSS / TypeScript / Rest Api / NoSQL / SQL / Bootstrap

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 serve 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>

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

CERTIFICATIONS

[IBM, 28/12/2025]

IBM DevOps and Software Engineering In this course, I learned many new skills, such as:

- Using Agile and Scrum methods in DevOps
- Using tools like Docker, Kubernetes, and OpenShift
- Learning to code with Python and automate tasks with Shell scripting
- Understanding CI/CD, Microservices, and Serverless technologies
- Learning about application security and monitoring

Link: https://www.coursera.org/account/accomplishments/professional-cert/Y8G1T1A94177?utm_source=link&utm_medium=certificate&utm_content=cert_image&utm_campaign=sharing_cta&utm_product=pr of

[IBM, 23/03/2025]

Developing Front-End Apps with React In this course, I learned how to build web apps with React, create interactive user interfaces, and manage data using React components.

Link: <https://coursera.org/share/a84b7cb11d2864a8505417bbfdac9ec>