



## 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](http://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](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](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](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

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**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

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[ 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?](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)

[utm\\_source=link&utm\\_medium=certificate&utm\\_content=cert\\_image&utm\\_campaign=sharing\\_cta&utm\\_product=pr](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/a84b7cb11d2864a8505417bbfdfac9ec>