



Aayush Subedi

Date of birth: 16/09/2000 | **Nationality:** Nepalese | **Phone number:**

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Website: <https://github.com/Aayush-Subedi> |

Address: Teestraße 8, 28755, Bremen, Germany (Home)

DIGITAL SKILLS

HTML | CSS | SCSS | TypeScript | JavaScript | ReactJS | NextJS | Angular | BootstrapCSS, TailwindCSS | Git | Postman | JSON | PHP | MySQL | Figma | C/C++ | RESTful api | Python | FLASK

EDUCATION AND TRAINING

01/09/2020 – 31/08/2023 Bremen, Germany

BSC. COMPUTER SCIENCE Constructor University (Jacobs University Bremen)

Software Engineering, Databases and Web Services, Operating Systems, Machine Learning, Algorithms and Data Structures, Programming in C and C++, Automata Computability and Complexity, Human-Computer Interaction, Distributed Algorithms, Computer Vision, Computer Networks, Artificial Intelligence

Website <https://constructor.university/>

WORK EXPERIENCE

01/03/2024 – CURRENT Bremen, Germany

WEB DEVELOPER FUGRO

1. Proficient in building dynamic and responsive user interfaces using **React** and managing application state efficiently with **Redux**.
2. Integrating **ArcGIS** maps into web applications, enhancing user experience through interactive spatial data visualization.
3. Experienced in leveraging **UI kits** to streamline the development process and ensure consistency in design across applications.
4. Utilizing **Python Flask** for backend development, implementing robust server-side logic and **RESTful APIs** to support frontend functionality.
5. Currently expanding expertise with **FastAPI** and **WebSockets** to develop high-performance, real-time applications, enhancing scalability and responsiveness.

01/11/2023 – 29/02/2024 Berlin, Germany

FRONTEND ENGINEER REBUY RECOMMERCE GMBH

1. Demonstrated proficiency in **Angular** with **Ngrx** and **TypeScript**, alongside **Git** version control, **Amplitude** tracking, and **Cypress** testing.
2. Worked with design system implementation utilizing **SCSS**, and **Storybook** for efficient development workflows.
3. Actively collaborated with designers, project managers, and developers to drive **A/B testing** initiatives and facilitate **sprint planning**, stand-ups, and grooming sessions.
4. Steadily improved front-end engineering skills through peer programming and active **code reviews**, aided by **Linear** for project organization and tracking.

01/02/2023 – 31/05/2023 Bremen, Germany

TEACHING ASSISTANT - SOFTWARE ENGINEERING JACOBS UNIVERSITY BREMEN (CONSTRUCTOR UNIVERSITY)

1. Effectively instructed more than 140 students, encompassing novice programmers and beginners, comprehensively covering all fundamental concepts within a semester.
2. Organized clear and engaging tutorials providing thorough grading and constructive feedback.
3. Committed to excellence and unwaveringly dedicated to supporting students in pursuing academic and professional goals.

Worked with: **Jest**, **Jasmine Framework**, **TypeScript**, **AJAX**, **HTML5**, **Databases**, **JavaScript**, and **CSS**.

1. Designed mobile apps and websites using **Figma**, following a comprehensive design process from user research to prototyping.
2. Collaborated with cross-functional teams for development, while also handling individual research and design tasks.
3. Ensured consistent design elements and user-centered experiences by creating **style guides, wireframes, mockups, and prototypes**.
4. Developed and maintained responsive layouts using **HTML, CSS, Tailwind, JavaScript, and ReactJS**.
5. Utilized **JIRA** for project management and issue tracking throughout the development process.

● LANGUAGE SKILLS

Mother tongue(s): **NEPALESE**

Other language(s): **GERMAN (B1) | ENGLISH (PROFICIENT) | HINDI (PROFICIENT) | CHINESE-SIMPLIFIED (INTERMEDIATE)**

● PROJECTS

01/01/2023 – 31/05/2023

Aviation Map Visualization (Thesis)

1. Developed a web-based Aviation Map Visualization application using **JavaScript, Reactjs and Next.js** as a part of my thesis project, in collaboration with Rasdaman GmbH.
2. Utilized data from various aviation sources, including the German Weather Station, to create accurate and up-to-date visualizations.
3. Implemented a **Flask API** to retrieve data from the Rasdaman Geoserver, while leveraging different web visualization techniques like **OpenLayers, Leaflet, and D3.js** to enhance the application's visualizations.
4. Conducted user research by collaborating with a former Lufthansa pilot to understand their needs and preferences, and incorporated their feedback to make the product more user-friendly and effective.

Link <https://github.com/Aayush-Subedi/Aviation-Weather-Map>

01/03/2022 – 31/05/2022

Corona Archive (Web Application)

1. Created a Corona Management Web Application to track possible Infected people visiting different places like Shopping malls, cinemas etc.
2. Collaboration with different team members for 4 sprint sets to create COVID tracking (management) web application.
3. Used **Python (flask)** for the back end and **HTML, CSS, and JavaScript** for the front end.

Link <https://github.com/Aayush-Subedi/Corona-Archive>

01/09/2021 – 31/10/2021

E-commerce Website

1. Developed and launched a feature-rich e-commerce website for buying and selling second-hand products within the campus.
2. Utilized **HTML** and **CSS** to create a visually appealing and user-friendly front-end design.
3. Implemented **PHP** as the back-end technology to provide dynamic and efficient functionality.
4. Integrated **MySQL** Database Management System to manage and store data securely.

Link <https://github.com/Aayush-Subedi/DBWS>