

Megh Gala

Solution driven software developer with a master's in computer science and software engineering experience of 2 years. Proficient in Full stack development, collaboration and teamwork.
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EDUCATION

Master's in Computer Science

Uppsala University - Sweden

09/2021 - 01/2024

Courses

- Database Design, Advanced Software Design, Requirements in Agile Development, Data Engineering, Data Mining and Complex IT systems, Interface Programming, Human-computer interaction

Bachelor's of Computer Engineering

Mumbai University - India

06/2017 - 05/2020

Courses

- Data Structures, Analysis of Algorithms, Discrete Structures, Software Engineering, Machine Learning, Artificial Intelligence, Big Data Analytics, Data Science

WORK EXPERIENCE

Software Engineer, Master Thesis

Alstom - Sweden

02/2023 - 10/2023

Tasks & Achievements

- This [thesis](#) aimed to expedite UML and SysML diagram generation from natural language requirements, enhancing requirements engineering speed and accuracy.
- Automated software accelerated basic UML use case diagram creation time by **87%** compared to manual efforts.
- Technologies: Python (Flask, Spacy, Scikit, Matplotlib)**

Coding Teacher

CampK12 - India

04/2021 - 07/2021

Achievements/Tasks

- Taught coding and **object-oriented programming** to students aged 12-18, enabling them to build fundamental programming skills and basic data structure algorithms.
- Conducted webinars with more than **100** participants.
- Technologies: Javascript, Python, C.**

Web Developer Internship

Happy Bubbles (LIVE YOUR DREAM FOUNDATION) - India

06/2019 - 12/2019

Tasks & Achievements

- Redesigned the website "[Happy Bubbles](#)" by enhancing its functionality, using PHP and SQL, and incorporating a user-friendly control panel for administrators.
- Decreased the page load times by **20%**, improving user engagement.
- Technologies: Frontend(Bootstrap, JavaScript), Backend(PHP, SQL)**

SKILLS

Python

C/C++

C#

JavaScript

.NET

Java

NodeJS

jQuery

SQL

NoSQL

Typescript

Angular

Docker

Flask

HTML

CSS

Bootstrap

Figma

MongoDB

Github

Git

Google Cloud (GCP)

UI/UX

Communication

Teamwork

PROJECTS

Turmeric and Thyme [↗](#)

- Developed a recipe storing and sharing website with a focus on a robust backend using NodeJS for server-side scripting, logging systems, and NoSQL database management. Integrated JWT for authentication and authorization and incorporated third-party APIs for enhanced functionality.
- Implemented a responsive website which has been through a usability test between 12 participants and supports cross platform functionality.
- Technologies: HTML, CSS, JavaScript, MongoDB, JWT, NodeJS, API.**

Drunkard Dilemmas [↗](#)

- Developed a Vue.js-based multiplayer game web app, enabling over 10 players to join simultaneously. Utilized socket programming for real-time communication and conducted usability testing with 8 users to ensure cross-platform support and optimal experience.
- Technologies: HTML, CSS, JavaScript, VueJS, sockets.**

Catalogger [↗](#)

- Catalogger is a website that helps businesses add their business descriptions and their products seamlessly on the website created within a timeframe of 2 months.
- The development focused on using Python as a server-side language and using a NoSQL database for improved scalability and schema flexibility.
- Technologies: HTML, CSS, JavaScript, Python, Flask, NoSql.**

Skin Disease Detection (Bachelor's Thesis) [↗](#)

- The project was implemented to make a comparison between Google's AutoML and a custom CNN Model.
- Co-authored a research paper as part of my bachelor's degree project, which aimed to classify skin diseases through image analysis with a 88% accuracy.
- Technologies : HTML, CSS, JavaScript, Python, Google cloud, Flask.**

EXTRA CURRICULAR

UX Designer at Uppsala Union of Engineering and Science Students (02/2023 - 05/2023) [↗](#)

Lead UX designer of the student union of Uppsala University. This task involved creating UI prototypes on [Figma](#) for the websites of the student union. Redesigned the UI of an old website within 2 weeks with no further iterations.

Content writer at Medium (09/2023 - 01/2024) [↗](#)

Write technical articles on medium.com with code snippets to facilitate practical learning of trending topics.

LANGUAGES

English (C2)

Full Professional Proficiency

French (A1)

Elementary Proficiency