Megh Gala

Solution driven software developer with a master's in computer science and megh.gala765@gmail.com



+46723708526



Uppsala, Sweden



in linkedin.com/in/megh-gala



github.com/meghgala

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

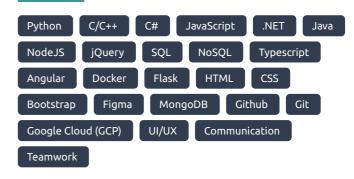
Happy Bubbles (LIVE YOUR DREAM FOUNDATION) - India

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, SOL)

SKILLS



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 usabailty 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 crossplatform 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

Enalish (C2) Full Professional Proficiency French (A1) Elementary Proficiency