ALAA HABIB

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PROFILE SUMMARY

I AM A THIRD-YEAR INFORMATION ENGINEERING STUDENT AT THE UNIVERSITY OF PADUA, CURRENTLY INTERNING AS A FULL STACK DEVELOPER. MY KEY STRENGTHS INCLUDE PROFICIENCY IN PROGRAMMING LANGUAGES SUCH AS PYTHON, C++, AND JAVA, AS WELL AS EXPERIENCE IN REACT AND NEXT.JS. I HAVE DEVELOPED VARIOUS PROJECTS, INCLUDING FLIGHT BOOKING SYSTEMS AND CONTROL SYSTEMS USING MATLAB. I AM SEEKING OPPORTUNITIES TO FURTHER APPLY MY SKILLS IN WEB DEVELOPMENT AND GAIN MORE EXPERIENCE IN THE TECH INDUSTRY. EDUCATION

Degree Program, Bachelor of Information Engineering
University of Padua, Padua, Italy (October-2021 /2025)
University of Bergen, Bergen, Norway (August-December 2024)

Key Courses:

- Signals and Systems
- Machine Learning
- Control Systems Design
- Web Development (React, Next.js)
- Signal Processing
- Operating Systems
- Database Management Systems
- Networking (TCP/UDP, IP Address Configuration)
- Cyber Security
- Electronics
- Electromagnetism 2
- Electric circuits
- Data structures and Algorithms
- Algorithms

- Internet & Multimedia

- Telecommunications

- Computer science

WORK EXPERIENCE

Full Stack Intern at FlowerWork (Stockholom,Sweden)
FlowerWork | August /2024 – OnGoing
As a full stack intern, I am responsible for developing and enhancing key features, including creating chat functionalities, improving the user interface, and building administrative panels. Additionally, I have implemented user authentication systems, such as sign-up and log-in workflows, to enhance the overall functionality and user experience of the platform

PROJECTS

- **Projects:**
- Task Management Dashboard Frontend
- dashboard for real-time data visualization using React.
- Built a task management tool using React and Drag-and-Drop functionality to enable users to create, assign, and manage tasks.
- Designed and developed a personal portfolio using HTML, CSS, and JavaScript. Showcased projects and work experiences, and integrated an interactive contact form.
- Designed a Inverted Pendulum Balancing on a Moving Cart.
- DC Motor Position Control.
- Cinema booking system.
- Built a drag-and-drop task management interface using React and Next.js
- Implemented a task assignment feature to optimize team collaboration.
- Built a real time chat app.
- SingUp/Login
- **Mtalab :**
- The design of two control systems in MATLAB/Simulink. The first is the control system for an inverted pendulum. The second is the control system of a DC motors.

- Socket Programming
- Image processing functions
- Spatial filtering
- Smoothing filters
- Sharpening filters
- Combination of spatial enhancements methods
- Fourier transform
- Filtering in the transform domain
- Low-Pass filtering
- High-Pass filtering
- **Linux :**
- Ping&TraceRoute
- IP address configuration (Kathara)
- TCP/UDP & IPERF
- Routing & ARP

Project Name : GNSS Localization Using Machine Learning

- Investigating new techniques for GNSS localization using machine learning approaches.
- Differentiated from previous work by employing unique models and analyzing new data sets.

SKILLS

Languages: English (Native), Arabic (Native), Italian (Intermediate), Turkish(Native),

Programming Languages : Python , Java , JavaScript , C , C++ , React , Next.js , HTML , CSS

Erasmus Exchange Program

University of Bergen, Norway | August, 2024 - Present -

Participating in an exchange program. - COURSES :

Electromagnetism 2

REFERENCES

Available upon request.