**Internship Report**

27th August 2022 Khalid Khader Arab American University

I applied for an internship at Exalt Company, and an interview date was scheduled for June 23, and I was accepted on June 26, 2022.It was one of the most important moments in my life. Exalt is currently considered one of the most important companies, it is simply a dream for any student in the field of information technology. I started training on July 5, 2022, and my colleagues started on July 3, but I was late because of the end of the second semester exams at the Arab American University, and I was also absent on July 14, 2022 to present the graduation project.

I started from July 5, 2022 until July 21, 2022, with training in the Design and Verification Department. It was a great time and I learned a lot of things about hardware. I learned the Verilog programming language, I learned how to work with EDA Playground, how to describe hardware in syntax, how to check it, I learned a little bit about system Verilog, how to deal with timers and generated signals and parse them over time.

On July 24, 2022 I started in frontend development, I started reviewing Html, CSS and JavaScript and I created a simple application using them on July 28, 2022. I also learned about firebase database, git, GitHub, AJAX, jQuery, some code convention and regex for validation.

I started between July 31, 2022 and August 18, learning Maximilian Schwarzmüller tutorial course on react, I created many applications during the course and I learned JSX, React State, React Events, Reducers, JSON web token, Hooks, React Styling, Fragments, Portals, Http Requests, Connecting Database, React Router, Multi-Page SPA,Deploying React Apps, Authentication, React Forms, Context API, Rest API, and some APIs.

Between Aug 18, 2022 - Sep 1, 2022 I've developed my previous Html, CSS, and JavaScript project I created using React which looked more professional. I have also created several applications such as movies app, food menu app, login app, and other apps.

There were also weekly meetings for two hours. We did several activities and got to know many of the trainers. We learned Git, Maven, Jenkins, Code Conventions, Regex, Introduction to Design and Verification, VLSI Manufacturing, DevOps, Design Patterns and Frontend Technologies.

During this training I met several people, this training was one of the most important opportunities, Exalt was really wonderful family and deserves to be a dream for any university student, I hope to come back later to pay my debt to this great company, thanks everyone.

Khalid Khader

Computer System Engineer