

Student's Weekly Progress Report

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Course: Bachelor of Science in Computer Science

Report Date	Date Submitted	Task Completed	Task in Progress	Next Week's Task	Problems / Challenges	Field Supervisor Comments
23-06-2023	29-06-2023	Orientation, researching about the company	Researching about the different network devices, subnetting, types of IP addresses, ethernet cable standards	Presentations of research findings Hands - on networking devices	Contradicting information on cable standards termination	Good to know him
30-06-2023	12-07-2023	At Code Play UG: I setup Flask website framework for the internship github repository git url : https://github.com/CODEPLAY-UG I documented my progress on medium blog: https://medium.com/@legacyallan0/setting-up-32d73d6ae0e6 At UETCL: We presented our findings on the different network devices, their uses and in which scenarios they can be used. We found out the types of IP addresses. We did cable termination according to standard B. Assigned a lenovo Thinkpad to troubleshoot.	AT CodePLay UG: Investigate how to attach React Frontend to the Flask API AT UETCL: Documentation of my findings from troubleshooting of the Lenovo PC	AT UETCL: Configuration of switches inorder to implement our research findings on networking devices AT CodePlay: Setup React App connected to the Flask API and document the work	Working with hardware i.e the Lenovo pc was difficult for me because i had never fixed computers	Good Experience

07-07-2023	12-07-2023	<p>At CodePlay: Setup React-Flask API link to repo: https://github.com/mugumbyabenon/CODEPLAY-REACT-FRONTEND I documented the above on blog https://medium.com/@legacyallan0/setting-up-32d73d6ae0e6</p> <p>AT UETCL: Configure multiple switches using both command line and PUTTY software Laid ethernet connection for an office to connect it to company internet</p>	<p>AT CodePlay: Researching on the UN SDGs inorder to come up with an idea for the Company Hackathon AT UETCL: Familiarization with SCADA systems for controlling Factory grade equipments like transformers</p>	<p>AT CodePlay : Setting up a CI/CD for auto deployments of our React and Flask API Research on Sylla DB as the default database for the our API Merge our different Flask and React apps for everyone into a singleapp ATUETCL: UsingPacket Tracerto design LANsand simulation</p>	<p>AT CodePlay: Difficult in communication with my partner from Congo who didnt know English very much AT Uetcl: At first we were given a faulty switch to configure which wasted our time trying to troubleshoot</p>	weekly targets achieved
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14-07-2023	27-07-2023	<p>AT CodePlay : Setup a CI/CD for auto deployments of our React and Flask API Tried Sylla DB as the default database for the our API but later discovered that firebase was better Merged our flask api with the front end react AT UETCL: Setup LANs using packet tracer Did IT support on setting up new computers for the office</p>	<p>At Codeplay: Studying firebase database for our flask API Getting familiar with the UN SDGs in relation to technology advancement Creating teams for Idea Hackathon At UETCL: Introduction to SCADA systems for electricity regulation</p>	<p>AtCodeplayUG: Coming upwith ideas andgroups for theIdea Hackathonin relation tothe UN SDGsServer management and DevOps with docker At UETCL:Setting up andusing SQLserver on virtual machine</p>	<p>At CodeplayUG: Poor documentationon Sylla DBcloud whichmade us resort tousing firebase asthe defaultdatabase for ourreact project At UETCL: Less engineering knowledge which made it difficult to understand how the SCADA systems aid electricity regulation and transmission</p>	Work done
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21-07-2023	27-07-2023	<p>At CodeplayUG: Created teams and my team presented an idea at the Hackathon about using AI in security cameras. Server management and DevOps with docker on aws ec2 instance</p> <p>At UETCL: learnt how to setup virtual machines using VMware workstation Setup SQL server Set up triggers and stored procedures for the database we created Created a PHP form website to interact with the database setup in the VM</p>	<p>At CodeplayUG: Continued coding the different FLASK API endpoints Carrying out research on the feasibility of the ideas present</p> <p>At UETCL: Familiarizing our selves with SQL language in creating db tables and running queries to make meaning from data IT support where I helped a worker move their office from one floor to the other</p>	<p>At CodeplayUG: Revamping the react UI Engaging in twitter spaces hosted by CodeplayUG and doing social media campaigns to boost the company portfolio Continue working on the Flask API</p> <p>At UETCL : Setting up domain controllers Database auto backups with particular schedules</p>	<p>At CodeplayUG: Coordinating with team mates in Nigeria was difficult because of clashing time zones</p>	Good Work done
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28-07-2023	04-08-2023	At CodeplayUG: Revamping the react UI Engaging in twitter spaces hosted by CodeplayUG and doing social media campaigns to boost the company portfolio Continue working on the Flask API At UETCL : Setting up domain controllers Database auto backups with particular schedules at 7:30 pmIT support work helping trouble shooting Designing topologies for a sample network of the threeUETCL branches in Kampala	At CodeplayUG: Project presentation of the user management system At UETCL: Preparation of final report IT Support work	AtCodeplayUG: Getting started on paymentAPI AtUETCL: Handing in of final internship report Creating a php website using laravelfor registeringIT equipment details	None	Good Work done
04-08-2023	04-08-2023	At CodeplayUG: Getting started on payment API At UETCL: Handing in of final internship report Creating a php website using laravel for registering IT equipment details Presented the above website End of internship	At CodeplayUG: Setting up an developing payment API for the user management API	At CodeplayUG: Presenting progress on payment API	None	hardworking but needs more effort