Anika Jha

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EXPERIENCE

ERICSSON GLOBAL SERVICE INDIA PRIVATE LIMITED. Jun 12, 2024 –Aug 12, 2024

Completed training in wireless networks, Ericsson technologies and advanced Python. Learned about Ericsson's corporate environment and office culture. Participated in team meetings and observed industry best practices. Assisted with basic tasks and administrative duties.

PROJECTS

DYNAMIC AUTOMATED FAN CONTROL SYSTEM October, 2024

Developed a motion-sensitive fan system using a Passive Infrared (PIR) Sensor to detect human motion. The DC fan operates autonomously through an 8051 microcontroller, automatically adjusting its functionality based on user presence. This design improves energy efficiency and convenience by eliminating manual intervention, ensuring optimal performance only when needed.

FPGA-POWERED DIGITAL AUTHENTICATION SYSTEM October, 2024

Implemented a password detection system using the Nexys 4 DDR FPGA, allowing users to set a 4-bit binary password. The system compares the input password with the stored password and displays feedback on a seven-segment display. If the entered password matches the set password, the display shows '1', indicating a correct match. If the passwords do not match, the display shows '0'. Under default conditions, the display shows '8', with all segments activated, signalling the system is ready for input. This project demonstrates FPGA-based password authentication and user interface design.

PHOENIX IIIA February, 2022

Designed the Phoenix IIIA helmet, a cutting-edge ballistic military helmet crafted to offer contemporary and functional protection to soldiers during combat operations. Received a patent grant from IPO+ Rs. 10k/- from the Ministry of Science and Technology, Government of India.

TICKET PURCHASING SYSTEM 2022

Created a project that displays flight tickets to customers using advanced Python. It is based on data management system and the user can select or modify it according to the arrival location, date, time etc.

REMINISCING ROYALTY 2021

Developed an Indian tourist guide website using HTML. The website showcases India's beauty and provides a seamless and enriching experience for tourists exploring our country with various interactive features. Finalists at Toycathon'21.

AWARDS

CSIR INNOVATION AWARD | Issued by Ministry of Science and Technology, Government of India
Jan 2022

WOMEN IN MOTORSPORTS AWARD |Issued by F1 in Schools
Mar 2019

ODYSEE OF THE MIND | 1st in Odysee of the Mind (Balsa Wood)
Jan 2019

DESIGN CHAMPIONSHIP | Issued by MindBox (a division of ARK Infosolutions)
Sep 2020

CERTIFICATIONS

AWS CLOUD TECHNICAL ESSENTIALS | Issued by Amazon Web Services
Dec 2024

FOUNDATIONS OF RED HAT CLOUD-NATIVE DEVELOPMENT | Issued by Red Hat
Dec 2024

EDUCATION

AMITY INTERNATIONAL SCHOOL, SAKET 2009-2023
MANIPAL INSTITUTE OF TECHNOLOGY 2023-2027

LANGUAGES

C,Verilog, Python, C++, MySQL