Kavya Paliwal

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EDUCATION

Vellore Institute of Technology
Bachelors of Engineering in Computer Science; CGPA: 8.07
Chennai, TN
Sep. 2020 – Present

Delhi Public School (AISSCE)
HSC; (95.2/100)
Varanasi, UP
March 2019 – March 2020

Delhi Public School (AISSCE)
SSC; (91.2/100)
Varanasi, UP
March 2017 – March 2018

PROJECTS

- **Obstacle Avoiding Car (C++, Arduino)**: This project developed an obstacle avoiding robot which can move without any collision by sensing obstacles on its course with the help of one ultrasonic distance sensor.
- **Personal Portfolio (ReactJs)**: Project made using React, HTML, CSS, SCSS.
- **Melanoma Detection (CNN, GANs)**: The CNN classifier, which is trained by large number of training samples, distinguishes between melanoma and benign cases. Experimental results show that the proposed method is superior in terms of diagnostic accuracy. For augmenting small number of datasets, GANs is being used.
- **Phishing Website Detection (RStudio)**: Includes machine learning algorithms and data analysis techniques to analyze website content and user behavior, combined with intelligent data mining and real-time monitoring tools for proactive identification and prevention of phishing attacks.
- **Image Quilting (Matlab)**: Image quilting is a Matlab-based project that utilizes texture synthesis techniques to create seamless and visually appealing images by stitching together smaller image patches. It employs algorithms such as Markov random fields and nearest-neighbor matching to achieve realistic and coherent results.
- **Calculator (ReactJs)**: There is an alarm which blows as soon as it detects a vehicle and it can be sensed through an IR sensor, and the amount to be paid off is also display. When the driver paid off the tax it allows moving further. This system takes a very small time, thus prevent the jam to occur.

PROGRAMMING SKILLS

- **Languages**: C++, C, Java, Python, R
- **Automation**: UiPath
- **Technologies**: HTML5, CSS3, Javascript, React, Node
- **Others**: Problem Solving, Data Structures and Algorithms, Graphic Design
- **Software**: Figma, VScode, Canva, Anaconda, Microsoft Office, Kali
- **Languages**: English(fluent), Hindi(fluent)

PROGRAMMING SKILLS

- **OWASP STUDENT CHAPTER VITC** Member

- **CYSCOM VITC** General Secretary

- **LINUX USERS CLUB VITC** Member

ACHIEVEMENTS

- **Mentored 150+ students in OWASP STUDENT CHAPTER VITC**

- **Microsoft certified: microsoft security, compliance, and identity fundamentals**

- **Participated in Hacktoberfest 2021**

CERTIFICATES

- **MICROSOFT SECURITY, COMPLIANCE, AND IDENTITY FUNDAMENTALS (SC-900)**

- **OPERATING SYSTEMS AND YOU: BECOMING A POWER USER**