Ayush Dhiman

Website ⌂ Github ⌂ LinkedIn ⌂ Leetcode ⌂

Email: ayush.dhiman2019@vitstudent.ac.in ⌂
Mobile: +91 9892766260

EDUCATION

- **Vellore Institute of Technology**   Chennai, India
  B.Tech. - Computer Science and Engineering; CGPA:8.65   *July 2019 - Present*
- **Navy Children School** (CBSE)   Mumbai, India
  Science Stream (PCM) ; Percentage :93.2 %   *April 2018 - June 2019*

EXPERIENCE

- **Greend India** ⌂   Remote
  Software Development Engineer Intern   *June 2021 - Sep 2021*
  Greend is an e-commerce website for vegan products. As part of this role, I Implemented new additional features, maintained website, debugged issues and solved business challenges.
  - Developed, tested, and Implemented 7 new features.
  - Fixed 3 bugs which reduced call traffic by 5%.
  - Initiated platform migrations and configuration to AWS for estimated 10% reduction in latency.
    * Shift of WordPress images to S3 bucket.
    * Shift to AWS RDS

SKILLS

- **Languages**:   : Java, C++, C, Python
- **Web and Database**: : HTML, CSS, JavaScript, PHP, SQL, NoSQL, MongoDB
- **Developer Tools**:   : AWS, Git, GitHub, Kubernetes, Docker, WordPress, VS Code, IntelliJ, Jupyter Notebook,
- **Platforms**:   : Linux, Web, Windows, Arduino
- **Soft Skills**:   : Creative problem-solving, , Leadership, Event Management, Public Speaking, Time Management

PROJECTS

- **Detection of Pneumonia by Analyzing Chest X-Rays** ⌂ :
  Keywords: Machine Learning; CNN; Encryption; Database; Full-Stack;
  * Developed a full-stack web application using Flask serving a REST API
  * Detects Pneumonia afflicted patients by analyzing Chest X-Rays using Convolution Neural Network with an accuracy of 95.3%.
  * Encrypted sensitive data using MD5.
  * Stored data in NoSQL MongoDB database.
  Technologies: Python, Flask, NoSQL, MongoDB, VS Code **Libraries:** keras, tensorflow, hashlib

- **Bypassing Detection of URL-based Phishing Attacks Using Generative Adversarial Deep Neural Networks (GAN)** ⌂ :
  Keywords: Deep Learning; Phishing; Generative Adversarial Networks; URL classification
  * Trained GAN model to generate and identify URL-based sophisticated phishing examples through feature perturbation with 94.3% accuracy.
  Technology: Python, Jupyter Notebook **Libraries:** keras, sklearn

PUBLICATIONS

- **Smart Child Monitoring System** ⌂ : International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) *Volume 2, Issue 1, February 2022*
  * A cost-effective and efficient IoT-based monitoring system, using an Open-CV pre-trained model for child detection
  * Merged with alert system and home automation features for easy control and remote access.

CERTIFICATION, PARTICIPATION AND ACHIEVEMENTS

- AWS Certified Cloud Practitioner ⌂   *(June 16, 2022- June 16, 2025)*
- JP Morgan Chase Co. Software Engineering Virtual Experience ⌂
  - Interfaced with a stock price data feed, Used JPMorgan Chase frameworks and tools, Displayed data visually
- 3 star on Leetcode
- Qualied Round 2 of FlipKart Grid 3.0
- Secured 5124 rank among 31491 participants in Google CodeJam 2022

LEADERSHIP EXPERIENCE

- **President at PALS VITC** ⌂ : – Helps bridge the gap between academia and industry.
  * Provided strategic direction and developed annual goals for this 90 member student group. Organized board and general meetings. Oversaw existing activities, programs, conducted events and collaborations with other student organizations.
- **Manager at Technocrats Robotics** ⌂ : – Official Robotics team of VIT Chennai.
  * Managed the workings of the robotics team for its smooth functioning