AYUSH DHIMAN

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GitHub | LeetCode | Portfolio

SUMMARY

Software engineering student with a demonstrated history of working in the computer software industry. Offering a strong foundation in software engineering, Data structures, and programming principles across multiple platforms. Quick learner with the ability to listen, adapt and influence, successful working in both team and self-directed settings.

WORK EXPERIENCE

Software Development Engineer Intern - *Greend India* 🔗   *06/2021- 09/2021*

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
- *Technologies:* WordPress, PHP, HTML, CSS, jQuery, AWS.

EDUCATION

Vellore Institute of Technology   **Chennai**
B.Tech. - Computer Science and Engineering   *07/2019-Present*
- CGPA – 8.68 (Up to 4th semester)

Navy Children School   **Mumbai**
High School Diploma – Science Stream (PCM)   *04/2018-06/2019*
- Percentage – 93.2%

SKILLS

Languages: Java, C++, C, Python
Web: HTML, CSS, JavaScript, PHP
Database: SQL, NoSQL
Developer Tools: Git, VS Code, IntelliJ, Unix/Linux environments
Soft Skills: Creative problem-solving, Leadership Qualities, Strong Communication Skills

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 a ML model for child detection
- Merged with alert system and home automation features for easy control and remote access.

PROJECTS

Detection of credit card frauds using parallel neural network 🔗
Keywords: Machine Learning; Credit card fraud; Parallel Computing.
- Train and pre-process dataset models to identify and remove fraudulent credit card transactions based on 28 features with 96.2% accuracy.
- *Technology:* Python.

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.

Country Club Database Management System 🔗
Keywords: Database management; Front-End;
- Full-stack website for smooth management of country club.
    - Inclusive of booking features and monthly bill generation.
- *Technologies:* HTML, CSS, JavaScript, SQL, PHP.

COLLEGE SOCIETIES AND ACTIVITIES

- **President at PALS VITC** 🔗 – Helps bridge the gap between academia and industry.
- **Manager at Technocrats Robotics** 🔗 – Official Robotics team of VIT Chennai.