

Tusharadri Paul

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Engineering Graduate

- A recent B. Tech Computer Science graduate with 3 months of hands-on experience in web hosting and database management using AWS from an internship at the National Institute of Electronics and Information Technology.
- Specialized in software development and proficient in programming languages such as Java, Python, SQL and C++ and also having a strong foundation in Web Development and software engineering principles.
- Seeking an entry-level position to leverage my technical skills and contribute to innovative projects in a dynamic tech environment

WORK EXPERIENCE

NIELIT • Guwahati, Assam, India • 07/2023 - 10/2023

Intern

- Managed web hosting services using Amazon Web Services (AWS) , ensuring reliable and secure deployment of applications.
- Performed database management tasks, including setup, maintenance, and optimization of databases on AWS.
- Assisted in troubleshooting and resolving web hosting and database-related issues, leading to 10% decrease in downtime and increased operational effectiveness.

EDUCATION

Barak Valley Engineering College

10/2020 - 05/2024

B. Tech in Computer Science & Engineering • GPA: 7.65

PROJECTS

Network Intrusion Detection System • 02/2024 - 05/2024

1. Developed a Network Intrusion Detection System Utilized machine learning algorithms like **k-Nearest Neighbors** and **Support Vector Machines** to **achieve high detection accuracy** with minimal false positives.
2. Designed an interactive user interface and created a **real-time dashboard** for monitoring and responding to network threats, enhancing usability and accessibility. Used Python's libraries like **Numpy**, **Pandas** and **Scikit-learn** for data analysis and threat detection using machine learning algorithms
3. Ensured **high performance** and **reliability** by conducting rigorous testing to validate precision, recall, and accuracy, ensuring the system's effectiveness in detecting network attacks.

An Attendance System using Facial recognition • 04/2023 - 06/2023

1. Developed an **Attendance System using Facial Recognition** incorporating CNN, OpenCV, Tkinter, and dlib for efficient student data management.
2. Implemented advanced algorithms such as **Haar Cascade** and **Viola-Jones** to enhance facial detection accuracy.
3. Utilized **Convolutional neural networks (CNNs)** for robust and reliable facial recognition performance.

SKILLS

Technical Skills

- Python
- SQL
- Database Management
- C/C++
- DevOps
- Cloud Computing
- Amazon Web Services
- Java
- Software Development Life Cycle
- HTML
- CSS
- JavaScript

Soft Skills

- Problem-Solving
- Teamwork
- Adaptability
- Communication Skills

CERTIFICATIONS

Cloud Computing

11/2023

NIELIT

DevOps

06/2024

Udemy

SQL: Basic to Advanced

06/2024

Geekster

Web Development

10/2022

Internshala