

# Shubhi Saini

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## RELEVANT COURSEWORK

- System Programing
- Machine Learning
- DBMS, SQL
- Object Oriented Programing Language

## RELEVANT EXPERIENCE

### PwC Launchpad 3.0 – Data Analytics and AI -Intern

Feb 2025-Present

- Selected for a six-month immersive program focused on Data Analytics and AI.
- Gaining hands-on experience in data-driven decision-making, machine learning, and NLP.
- Working on real-world projects using Python, business intelligence tools, and AI frameworks.
- Enhancing problem-solving, analytical, and technical skills through structured training and mentorship.

### Open Source Contributor, Girl Script Summer of Code

Sept 2024-Dec 2024

- Contributed to open-source projects by enhancing functionality, debugging, and implementing features.
- Collaborated with developers using Git/GitHub and participated in peer code reviews.
- Documented technical solutions and resolved community-raised issues.
- Ensured adherence to industry best practices while improving project efficiency.

### Trainee at Persistent Systems

July2024-August 2024

- Gained hands-on experience in microservices containerization, contributing to project development and deployment under expert mentorship.
- Collaborated with a team to design and implement scalable solutions, enhancing system performance and reliability.
- Acquired practical knowledge of industry-standard tools and technologies, strengthening foundational skills in software engineering.

## PROJECTS

### Driver Fatigue and Accident Detection System

JAN 2025-Present

- Developed an AI-based system to detect driver fatigue and potential accidents using computer vision and deep learning.
- Implemented real-time drowsiness detection using facial landmark analysis and eye-blink tracking.
- Integrated alert mechanisms to warn drivers and reduce accident risks.
- Optimized model performance for accuracy and real-time processing.

### Infirmary management System- Minor

OCT 2024

- Developed an Infirmary Management System to manage student records and automate doctor allotment.
- Implemented features for sending prescriptions via email, enhancing communication and efficiency.
- Designed role-based access for administrator, receptionist, and OPD to ensure seamless operation

### AI-Based Chatbot and Image Recognition System

JUNE 2024

- Developed an interactive chatbot using NLP techniques to automate query resolution and enhance user engagement.
- Designed and implemented an image recognition model for object classification and detection, improving accuracy in visual data processing.
- Integrated deep learning frameworks to optimize model performance and ensure real-time responsiveness.
- Worked on data preprocessing, model training, and fine-tuning to improve overall efficiency.
- Applied AI techniques to enhance automation and improve the reliability of both systems.

## TECHNICAL SKILLS

**Programming:** C, C++, Python, SQL, Node JS, HTML, CSS.

NumPy, Pandas, Matplotlib. **Data Structures & Algorithms:** Problem-solving and optimized coding solutions.

**Soft skills:** Problem-solving and optimization, Team collaboration and adaptability, Strong communication and presentation skills.

## EDUCATION

**University of Petroleum and Energy Studies**  
Bachelor of Technology in Computer Science,  
Specialization in AIML

## CERTIFICATIONS

- JP MORGAN-SOFTWARE ENGINEERING JOB SIMULATION BY-FORAGE
- FUNDAMENTALS OF RESPONSIBLE AI BY-MICROSOFT
- INTRODUCNTION TO DEVOPS AND AGILE DEVELOPMENT BY-IBM

## LEADERSHIP AND HOBBIES

- UPES CSI-STUDENT CHAPTER (MEMBER)
- PROBLEM SOLVING SKILLS
- TEAM COLLABORATION
- PROJECT MANAGEMENT
- COMMUNICATION AND ANALYTICAL THINKING

## HOBBIES

- READING
- GYM
- TRAVELLING