Prerna Pattanaik

Computer Science undergraduate with hands-on experience in data analytics, web development, and machine learning. Demonstrated expertise in leading projects and solving complex problems through academic and internship roles. Seeking to leverage technical expertise and a strong analytical background in a technology-driven role.

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EDUCATION

B.Tech Computer Science and Engineering(Hons.)
XIM University, Bhubaneswar

2021 - 2025   *CGPA: 9.11*

International Exchange Program
Ateneo De Manila University, Philippines

08/2023 - 12/2023   *CGPA:9.60*

Higher Secondary Education - Class 12
Kerala Samajam Model School

2019 - 2021   *91%*

INTERNSHIP EXPERIENCE

IT Intern
IOCL, Guwahati Refinery

06/2024 - 08/2024   *Guwahati, IN*

Achievements/Tasks

- Engineered 12 RPA models including encrypted login, email, captcha automation, and web scraping using UiPath and Selenium.
- Achieved an 80% reduction in manual processing time, saving 32 hours weekly across 4 departments.
- Enhanced operational efficiency by implementing automation solutions tailored to inter-departmental needs.

Research Intern
IIT Bhubaneswar

04/2024 - 06/2024   *Bhubaneswar, IN*

Achievements/Tasks

- Developed a deep learning model for analyzing 10 frames per second for headcount, age, and gender detection in CCTV footage.
- Designed a real-time metrics dashboard to improve data interpretation efficiency by 80%, displaying key performance indicators (KPIs).
- Improved usability for end-users by integrating a menu-driven website for real-time visualization of analytics.

Data Analyst Intern
OPM Corporation
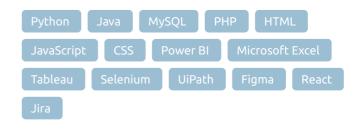
04/2024 - 06/2024   *Remote*

Achievements/Tasks

- Analyzed logistics data for a startup and developed a pricing model using Selenium to scrape internet data.
- Collaborated with cross-functional teams to create functional reports that optimized service delivery and supported the go-to-market strategy.

SKILLS

Python · Java · MySQL · PHP · HTML · JavaScript · CSS · Power BI · Microsoft Excel · Tableau · Selenium · UiPath · Figma · React · Jira

PERSONAL PROJECTS

HealthWise: Disease Prediction System (01/2024 - 03/2024)

- Created a symptom-based disease prediction and health recommendation system using Flask and Support Vector Classifier with 94% accuracy from datasets of 4,900+ symptoms, 400+ precautions, workouts, diets, and 200+ medications.
- Built a user-friendly web application with Bootstrap CSS and HTML to deliver personalized health recommendations, enhancing user experience and aligning with business analysis needs.

Artistic Image Fusion with Deep Learning (11/2023 - 12/2023)

- Designed an interactive Streamlit website that processes 1 content image and 1 style image to generate 3 distinct artistic outputs using VGG19, AlexNet, and ResNet50 deep learning models.
- Achieved an 85% user satisfaction rate by delivering visually compelling artworks within 45 seconds per image transformation

AI Resume Builder (10/2024 - Present)

- Spearheaded a resume builder application with React and Vite for the frontend, utilizing Tailwind CSS for responsive design.
- Integrated Gemini API and Strapi for AI-driven content generation and management, ensuring ATS-friendly resumes.

CERTIFICATES

Data Analytics with Python-NPTEL (Apr. 2024)

Amazon ML Summer School (2024)

ACHIEVEMENTS

Merit Based Scholarship (2021 - 2025)
XIM University

Student Leader, National Service Scheme (2022 - 2024)