

ROHANPREET SAHU

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PROFESSIONAL SUMMARY

Results-driven Computer Science graduate with expertise in web development, and machine learning projects. Proven ability to develop innovative solutions, including robust eye disease detection systems and malaria detection tools using advanced algorithms. Seeking to leverage my skills to contribute to impactful software development initiatives.

SKILLS

Programming Languages: Java, Python

Web Development: HTML5, CSS3, JavaScript, React, Bootstrap

Frameworks/Tools: Git, Visual Studio Code (VScode), Eclipse

Databases: SQL

Machine Learning: Convolutional Neural Networks (CNNs), VGG, ResNet

EDUCATION

National Institute of Science and Technology

Bachelor of Technology

Major in Computer Science

CGPA: 8.5

Berhampur, Odisha

Dec 2020 – Apr 2024

Sankalp Senior Secondary School

Intermediate

Mark: 75.6%

Berhampur, Odisha

Jul 2018 - May 2020

De-Paul SCHOOL

Matriculation

Mark: 84.6%

Aska, Odisha

May 2018

PROJECT

A study of eye disease detection using machine learning techniques

Jan 2024

- Developed a system to identify eye conditions like cataracts using convolutional neural networks (CNN), VGG, and ResNet models.
- Collected and preprocessed a diverse dataset of medical images, achieving 92% accuracy in condition detection.
- Tools & Technologies: Python, Google Collab

Malaria detection using machine learning

Sep 2023

- Designed a machine learning model for early malaria detection using advanced image pre-processing techniques.
- Improved diagnostic accuracy by 15% through optimized dataset enhancement and model evaluation.

INTERNSHIP

TELUS Digital

Prompt-Response Writer

Oct 2024

- Completed *Project Marvel*, an intensive online course focusing on prompt engineering and AI-based response systems, with hands-on tasks and assessments.
- Gained knowledge in AI algorithms and their application in improving response quality for customer service automation.

Bharat Intern

Web Developer Intern

Virtual

Jan 2024 – Feb 2024

- Developed responsive, user-friendly web applications as part of the front-end web development program.
- Created a professional portfolio website and personal projects, implementing front-end frameworks using HTML, CSS, and JavaScript.

Tools & Technologies: HTML5, CSS3, JavaScript, Git, VScode

Oasis Infobyte

Web Development and Designing Intern

Virtual

Apr 2023 – May 2023

- Designed and developed interactive web applications, including a landing page, portfolio, and a temperature converter with JavaScript.
- Built a Netflix-style homepage, focusing on modern web design principles and responsive layouts.

Tools & Technologies: HTML5, CSS3, JavaScript, Git, VScode

CERTIFICATES

- **NPTEL Online Certification** on Python for Data Science from *Indian Institute of Technology (Madras)*
- **NPTEL Online Certification** on Fundamentals of Artificial Intelligence from *Indian Institute of Technology (Guwahati)*
- **International Astronomical Search Collaboration** certification achieved.

LANGUAGES

- **English** (Fluent)
- **Hindi** (Fluent)
- **Odia** (Native)

DECLARATION

I hereby declare that the information provided is accurate and true to the best of my knowledge.

Place: Hyderabad

Rohanpreet Sahu