PRERNA JHA

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LinkedIn | GitHub | HackerRank

Professional Summary

Passionate Computer Science student with hands-on experience in full-stack development, real-time systems, and AI-powered applications. Proficient in Python, Java, C++, and JavaScript, with a strong foundation in Data Structures and Algorithms (DSA). Demonstrated ability to build and deploy scalable web applications using React.js, Node.js, and Express.js. Enthusiastic problem-solver with HackerRank star ratings and a portfolio of impactful projects.

Education

B.Tech in Computer Science and Technology
Aditya College of Engineering and Technology, Surampalem, India | 2022 – 2026 | CGPA: 7.82
Intermediate (Grade 12)
Model Secondary School, Nepal | 2022 | GPA: 3.42 (85.5%)
Secondary Education Examination (Grade 10)
Monastic Secondary English Boarding School, Nepal | 2020 | GPA: 3.85 (96.25%)

Technical Skills

Languages: Python, Java, C, C++, JavaScript
Web: HTML, CSS, React.js, Node.js, Express.js
Databases: MongoDB, SQL
Tools: Git, GitHub, VS Code, Postman, Jupyter Notebook
Cloud & DevOps: AWS, Jenkins, Maven
Frameworks: TensorFlow, Scikit-learn, Flask, Streamlit

Internships

Web Development Intern – InternPe | Apr – May 2024
- Built user interfaces using React.js and integrated responsive designs.
- Assisted in front-end development and optimization tasks.

AI-ML Development Intern – AICTE | May – Jul 2024
- Developed ML models using TensorFlow and Scikit-learn.
- Worked on data preprocessing and model evaluation tasks.

Cyber Security Intern – Yhills | Apr – Jun 2025
- Conducted Vulnerability Assessment & Penetration Testing on systems.
- Performed Web Application Security Testing using OWASP tools.

Projects

Real-time Chat Application (Apr 2025)
- Built a chat application using Node.js, Express.js, Socket.io, and ngrok.

- Enabled real-time messaging over LAN and WAN with a custom UI.

Coffee E-Commerce Platform (Apr – May 2023)
- Developed a responsive React.js-based platform for coffee product orders.
- Integrated cart and order tracking system with optimized UI/UX.

Plant Leaf Disease Detection App (May – Jul 2024)
- Built an AI web app using TensorFlow, Flask, and Streamlit for leaf disease classification.
- Used CNN-based image analysis for real-time prediction.

Coding Skills & Competitions

HackerRank Star Ratings:
- Python – 5 Stars
- Problem Solving – 4 Stars
- Java – 3 Stars
- SQL – 3 Stars
- DSA – 3 Stars
Participated in hackathons, coding contests, and technical quizzes.

Certifications

Node.js – Infosys Springboard (Apr 2025)
Python (Basic) – HackerRank (Feb 2025)
SQL (Basic) – HackerRank (Mar 2025)
React.js – Infosys Springboard (2024)
AWS Cloud Computing – APSSDC (Sep 2023)
Introduction to Internet of Things – NPTEL (Silver Badge, 88%)
Java Programming Fundamentals – GalileoX (Aug 2023 – Apr 2024)

Awards & Achievements

1st Prize – Poster Presentation on Teachers' Day, Aditya College of Engineering (Sep 2023)
2nd Prize – PPT Presentation on World Engineering Day, Aditya College of Engineering (Sep 2022)

Languages

English, Hindi, Nepali, Maithili