Pratibha Soni

+91 9829088642 | pratibhasoni757@gmail.com | LinkedIn | GitHub | GitLab

SUMMARY

Computer Science undergrad with strong skills in Agentic AI and full-stack development. Google WE Scholar with proven leadership and a track record of impactful projects.

EDUCATION

Birla Institute of Technology, Mesra   Jaipur, India
Bachelor of Technology in Computer Science (CGPA 8.78)   2023 – 2027

SKILLS

Languages: Python, Java, C, JavaScript, SQL
Web Dev: HTML, CSS, Bootstrap, React, Node.js, Express, MongoDB, EJS
Dev Tools: Git, GitHub, GitLab, VS Code, Google Colab
Concepts: DSA, OOP, DBMS, REST APIs, ML basics
Soft Skills: Problem-solving, Fast learning, Teamwork, Communication

PROJECTS

PeerUp – Founder & Full-Stack Developer   April 2025 – Present
Tools used: React, Tailwind, JavaScript, Node.js, Firebase, MongoDB, Flutter/Dart

– Building full-stack responsive web & mobile apps enabling peer mentorship and buddy matches.
– Integrated dynamic filters, role logic, feedback forms, chat, and profile switching.

SheShield – Learning Project for SIH | Project Link   Sept 2024 – Present
Tools used: Python, Twilio, Tkinter, OpenCV, SMTP, MySQL

– Built a women's safety app with real-time **SOS** alerts with **image capture** within **2.5s**.
– Added **500m geofencing** and **local volunteer** support, reducing response time by **30%**.

RSA Cryptanalysis – Research-Based Project | Project Link   June 2024 – Aug 2024
Frontend: HTML, CSS
Backend: RSA module, gmpy2 module, sympy module, pycryptodome module

– Executed **5** RSA attack methods; cracked **1024**-bit keys via **Coppersmith's attack in 75s**.
– Applied **CRT** to reduce ciphertext decryption complexity by **30%**.

EXPERIENCE

AI/ML Intern- LinuxWorld Informatics Pvt Ltd – Remote   June 2025 – Present
– Working on agentic AI systems using GenAI, Docker, Kubernetes, Jenkins, and AWS. Built projects with Streamlit, Gradio, Python, and JavaScript. Gained experience in frontend/backend basics, Git/GitHub, and deploying on Linux-based environments.

ACHIEVEMENTS

TalentSprint WE Scholar (Google-sponsored Women Engineers Program)   Feb 2023 – Present
– Selected out of a pool of **30,000** applicants (0.6% selection rate)
– Received scholarship covering program fees and **INR 1,00,000** from Google.

LEADERSHIP & VOLUNTEERING

– **Junior Coordinator, Technical Committee**   *Aug 2023 – Present*

– **Team Leader, NSS**   *Sept 2023 – Present*