



Harsh Nayan

Bachelor of Engineering
in Computer Science
Army Institute of Technology, Pune

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GitHub Link
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EDUCATION

Year	Degree/Certificate	Institute	CGPA/Percentage
2022-2026	B.E in Computer Science	Army Institue of Technology	9.41
2022	CBSE(XII)	Doon Global School, Patna	93.8%
2020	CBSE(X)	Patna Central School, Patna	97.6%

PROJECTS

- Reddit Clone- DevOps Project** Mar 2024
Kubernetes(Minikube, EC2 instance), Docker, Nextjs, Firebase, JavaScript, TypeScript **Github link**
 - Developed a Reddit clone using Next.js for the frontend and Firebase for authentication.
 - This web-app is deployed on Kubernetes using Minikube as the cluster, with the help of an EC2 instance.
 - The Reddit clone app replicates the basic functionality of Reddit, allowing users to create posts, comment on posts, and upvote/downvote posts and comments.
- SKIN-O-CURE - ML Model** Nov 2023 - Feb 2024
JavaScript, TypeScript, TensorFlow, Azure, Firebase, React, CustomVision AI **Github link**
 - Developed a machine learning model for detecting skin diseases, with a user-friendly frontend in React.
 - Utilized a comprehensive dataset to train the module, using CNN to ensure accurate detection of Skin Diseases.
 - Achieved a remarkable processing time of 700ms for the ML module, enhancing efficiency and performance.

TECHNICAL SKILLS

- Programming Languages:** C/C++, Python, Javascript, TypeScript.
- Tools and Frameworks:** React, NextJS, Django, Express, NodeJS, MySQL, Postgres, Visual Studio, Jupyter, Git/Github.
- DevOps Tools:-** Github actions, AWS DevOps Pipeline, Jenkins CI/CD, Docker, Kubernetes, SonarQube, Grafana, Trivy, Terraform, Anisble, Prometheus.
- Operating Systems:** Linux &Mac

OTHER TECHNICAL SKILLS

- Proficient in:** Object Oriented Programming, Data Structure and Algorithms, Competitive Programming, Data Analytics , Machine Learning, Web Development and DevOps Enthusiast

ACHIEVEMENTS

- New Indian Express Merit Scholarship for AY 2023-24:** Received for scoring the highest CGPA in the department.
- ESSA(Education Scholarship Scheme for Army Personnel):** Recieved for scoring 9+CGPA in First Year.
- Winner at the Blue Bit Hackathon organised by PCCOE, Pune**
- Runner up at the IdeaRx organised by PICT, Pune** Pitched my ongoing ML project regarding Maternal health Prediction.
- Second Highest CGPA in First Year among all departments** (Go to result section on the website)
- Global Rank of 175** in geeks for geeks Job-A-Thon 29 challenge.
- Pupil on Codeforces** Best global rank of 1101 in Codeforces Round 869.
- Solved 400+ DSA problems** across different platforms like Codeforces, Leetcode, Codechef.

EXPERIENCE

Microsoft Student Learn Ambassador'24

Jan 2024 - Present

Alpha-Microsoft Student Learn Ambassador

- Conducted an online workshop to educate the community on the fundamentals of Machine Learning.
- Mentored students in using Microsoft tools and resources for academic and career growth.

Hackathon Experience

Participated in several online and offline hackathon

Jan 2024 - Mar 2024

- Emerged as a winner at Blue Bit organised by PCCOE, Runner Up at IdeaRx organised by PICT, Pune
- Worked on real world projects, learned efficient problem-solving techniques and effective team management skills

Technical Content Writer

Feb 2024 - Present

Medium

Medium

- I'm new to writing but I've written 3-4 articles on Medium already. I'm excited to write more and have more articles published by the middle of this year.

CERTIFICATIONS

Cloud Computing issued by Microsoft Learn.

Google Data Analytics issued by Google.