Yuvraj Singh Chauhan

Roll No.:24429
B.Tech - Computer Science and Engineering (Cyber Security)
Indian Institute Of Information Technology, Una

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Indian Institute of Information Technology, Una	7.27 (Current)	2024-Present
AISSCE	Podar International School, Ahmedabad	88.6%	2023
AISSE	Podar International School, Ahmedabad	90.5%	2021

EXPERIENCE

- **Linux Kernel** — *Jan 2026 - Present*
  Contributor — Online
  - Upstreamed a Linux kernel patch removing a redundant MAC address macro (`MAC_ARG`) from the `rtl8723bs` staging driver; merged into `staging-next` and queued for the next mainline kernel release.

- **Apache Software Foundation** — *Oct 2025 - Present*
  Open Source Contributor — Online
  - Apache Superset: Bug-Fixes(#36075, #35848) ; Validation Improvements(#36076) ; Documentation(#35723)
  - Apache APISIX-Dashboard: Implemented password masking for sensitive fields(#3251)

- **Indian Institute of Technology Bombay - TrustLab** — *May 2025 - July 2025*
  Security Operations Center - Developer Intern — On-site
  - Engineered a full-stack cybersecurity visualization platform using React (TypeScript) and Node.js (Express) with Neo4j and ELK Stack integration, enabling real-time graph-based threat analysis and monitoring.
  - Designed and deployed a secure microservice architecture (11 services) with Docker Compose, TLS/SSL encryption, and custom PKI infrastructure, ensuring end-to-end encrypted inter-service communication

- **Indian Institute of Information Technology Una** — *Mar 2025 - Present*
  Backend and DevOps Lead — On-site
  - iiitu-website: Led a dynamic, backend-driven refactor eliminating hardcoded school routes and static data for scalability in future.
  - iiitu-admin: Standardized static file handling and access control for key modules, improving permission hygiene.

PROJECTS

- **4K Youtube Video Downloader** — *Jan. 2024*
  Personal Project — Github
  - A cli program that used pytube to download a youtube video in any quality upto 4k.
  - Read the documentation for pytube to properly utilize all its features to download the highest available quality of the video
  - Downloading a video in 4k specifically required downloading the audio spearately, so used ffmpeg to combine the audio and video together after downloading
  - Since I actually wanted to download the CS50 lectures also implemented the opption to download entire playlists

TECHNICAL SKILLS

- **Programming Languages**: C/C++, Python, Go
- **SDLC**: Gitflow & Trunk-Based Development
- **Frameworks**: Python (Flask, FastAPI), JavaScript (React, Next.js, Express)

POSITIONS OF RESPONSIBILITY

- **Development Head**, AAVESH, IIIT Una — *Dec. 2025 - Present*

ACHIEVEMENTS

- **Winter of Code 5.0 - GDG IIIT Kalyani**, Shortlisted for contributing in Winter of Code 5.0 — *2026*
- **FSF40 Hackathon - Free software foundation**, Worked on the op-mattermost pulgin and resolved 4 Issues — *2025*
- **Digital Innovation Symposium 2025 - IIT Guwahati**, Invited for on-site presentation of our idea: AI system to generate 2D drawings from 3D models — *2025*
- **RMO Qualified**, HBCSE (Homi Bhabha Centre for Science Education) — *2019*
- **Krackhack 2.0 - GDSC IIT Mandi**, Shortlisted - Built a static malware analyzer in python — *2024*
- **Hack 5.0 - NITH**, Shortlisted for on-site Hackathon - Built a healthcare solution like ABHA in MERN — *2025*