Harsh Kumar

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Education

Maharaja Agrasen Institute of Technology, B.Tech in CSE   Oct 2021 - May 2025
- GPA: 8.2/10

Sarvodaya Bal Vidyalaya, Sr. Secondary School   Apr 2019 - May 2020
- Percentage: 79/100

Experience

Full Stack Engineer, My Nachiketa Foundation, Delhi-IN   Jan 2025 – Present
- Maintaining and updating websites, ensuring optimal performance and security while implementing SEO strategies to increase site traffic.
- Managing product listings, collaborating on various cross-functional projects, and contributing to both frontend and backend development.

Full Stack Engineer Intern, Ignipc Private Limited, Delhi-IN   Aug 2024 – Oct 2024
- Developed B2C and B2B websites using Next.js with dynamic components, scalable navigation, and integrated PostgreSQL databases for efficient data handling.
- Improved site visibility and user management by leveraging Next SEO, Amazon Cognito, AWS services, and streamlined collaboration with Git and web scraping to enhance product quality and delivery.

Software Developer and AI/ML Intern, Transline Technologies Limited, Delhi-IN   Feb 2024 – Jul 2024
- Developed and deployed ANPR systems for Delhi and Kolkata Police, enhancing traffic management efficiency while gaining expertise in image processing, data collection, and ML model training for real-world challenges.
- Managed the company's official website, ensuring seamless functionality and regular updates, while gaining expertise in image processing, data collection, and model training, applying ML to real-world challenges.

Projects

Automatic Number Plate Recognition | AI/ML   *Github Repo*
- Built and deployed an ANPR system for Delhi Police with 96% accuracy on a Raspberry Pi, using YOLOv8 and Tesseract OCR. Trained on 10,000+ annotated images for improved recognition performance.

E-Commerce App | Full Stack Web Development   *Project Link*
- Implemented user authentication, product management, and admin features with secure registration, intuitive browsing, and feedback options for better engagement.

Simpli-Law | Full Stack Web Development   *Project Link*
- Developed an AI chatbot app for SIH 2023 with Google signup, role-based authentication, news updates via APIs, and user-friendly admin controls.

Technologies

Languages: C, C++, Python, JavaScript, TypeScript

Technologies: HTML, CSS, jQuery, Ajax, Node.js, MongoDB, React.js, Next.js, Express.js, EJS, Next SEO, PostgreSQL, Tailwind, Bootstrap, NPM, Fastapi, OpenCV, NumPy, Yolov8, Google Collab, Jupyter Notebook, Kaggle, Linux, AWS, Amazon Cognito

Development Technologies: Data Structures, Algorithms, Full Stack Web Development, Object-Oriented Programming, REST API Development, Templating,Deployment, Web Scraping, Version Control (GitHub), AI Detection Models, Image Processing, Database Design, Database Management

Soft Skills: Communication, Leadership, Creative Thinking, Time Management, Problem-solving, Project Management, Team Management

Certifications

C++ Programming & DSA, By Coding Blocks   May 2022 – Oct 2022
Full Stack Web Development, By Coding Blocks   Jan 2023 – May 2023

Extracurricular Activities & Achievements

Achieved 3rd departmental rank in first year **CGPA:9.58**, Solved **600+** DSA problems across different platforms
Led a team and got Selected in College for **SIH'23**, Got Selected in **Flipkart Grid 4.0** Round 3
Active member of **NSS-MAIT**, organized and managed various events.