KSHITIJ AGARWAL

📞 +91 8126779604   ✉ kshitija024@gmail.com   🌐 Portfolio   in LinkedIn   GitHub

SKILLS

Languages	C++, Python, SQL
Programming Skills	Data Structures, Algorithms, DBMS, OS, OOPs, Computer Networks
Tools/Frameworks	Linux, VSCode, HTML5, JavaScript, React.js, Docker, Kubernetes, Git/GitHub

TECHNICAL EXPERIENCES

Rapidfort   **January 2025 - Present**

Software Developer Intern

- Worked on hardening community Docker images by writing and executing coverage tests to reduce CVEs and improve container security.
- Developed and maintained GitHub Actions workflows to automate testing, validation, and image optimization tasks.
- Contributed to improving overall image reliability and compliance with security best practices through iterative coverage improvements.

Defence Research and Development Organisation (DRDO)   **June 2024 - July 2024**

Software Developer Intern Certificate

- Engineered an eBPF-based TCP packet filtering system at the NIC level, strengthening network security and improving filtering efficiency by 30%.
- Optimized kernel-level packet processing, reducing latency and increasing throughput by 25%, driving significant network performance improvements.

PROJECTS

Cryptocurrency Price Tracking and Charting Visit here | React

- Led development of React-based Bitcoin price tracker, leveraging Node.js and JavaScript, bolstering data-driven investor decisions.
- Improved accessibility via seamless integration of third-party APIs, delivering multi-currency Bitcoin price updates for informed trading.

Documents Verification and OCR System Visit here | ML, Python

- Developed and deployed ML models for authenticating Aadhaar Cards, PAN Cards, and Cheque Leaves, achieving over 95% accuracy.
- Created a high-performance OCR app using Python and Flask, extracting critical information with 98% accuracy, improving efficiency.

Word to PDF Converter Visit here | React, Python, Docker

- Built a web app to convert DOCX files to PDF with optional password protection, using Flask backend and React frontend.
- Containerized using Docker with separate services for frontend and backend, ensuring modular deployment and scalability.

ACHIEVEMENTS

- Solved over **500+ DSA problems** on platforms like **LeetCode (Profile)** and **GFG (Profile)**.
- Represented college **twice in Inter-NIT Basketball Championship**; also played at the **district level** during school years.

COURSES

- **Node.js, Express, MongoDB & More: The Complete Bootcamp 2024** | Udemy Certificate
- **Complete A.I. & Machine Learning, Data Science Bootcamp** | Udemy Certificate

EDUCATION

B. Tech : Computer Science and Engineering   **December 2021 - June 2025**

Dr.BR.Ambedkar National Institute of Technology - ***CGPA - 7.78***   *Jalandhar, Punjab*

Class XII : Science (PCM)   **April 2019 - May 2020**

Springfields College - ***Percentage - 96.3%***   *Moradabad, Uttar Pradesh*