SIDDHARTHA ARORA

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EDUCATION

University of Petroleum and Energy Studies	Dehradun, India
Bachelor of Technology in Computer Science Engineering **CGPA: 7.8**	*2021 – 2025*
The Heritage School	Dehradun, India
Higher Secondary Examination (ISE) **Percentage: 78%**	*2021*
The Heritage School	Dehradun, India
Secondary Examination (ICSE) **Percentage: 86.8%**	*2019*

EXPERIENCE

Project Intern — June 2024 – August 2024
Xebia — *Remote*
- Led end-to-end development of a web application for gym owners using **React** and **Node.js**, resulting in a scalable solution that improved user management.
- Reduced deployment time by 50% through the integration of **Jenkins** for **CI/CD** and **Docker** for containerization, enhancing deployment efficiency and team productivity.

Full Stack Intern — December 2023 – March 2024
Alkraj Developers Pvt Ltd — *Remote*
- Developed feature-rich Android applications using **Flutter**, optimizing performance for real-time data synchronization, leading to a 20% increase in efficiency.
- Deployed applications to the **Google Play Store**, expanding user reach and engagement through improved accessibility.

Social Intern — June 2022 – July 2022
Apna Roti Bank Charitable Trust — *Dehradun, India*
- Conducted surveys to enhance community engagement in donation programs, leading to increased participation and outreach.
- Created promotional materials that significantly boosted awareness and involvement in charitable activities.

TECHNICAL SKILLS

Languages: JavaScript, HTML, CSS, Rust, Java, SQL
Frameworks: React, Flutter
Databases: Firebase, MySQL
Tools and Platforms: Docker, AWS, Jenkins, SonarQube, Git, GitHub, Ansible, Terraform, JIRA
Operating Systems: Linux, Windows
Additional Skills: CI/CD, Data Organization, Project Documentation, Research

PROJECTS

OSoC-24-Health-Reserve | *Web Application (**Open Source Contribution**)* — June 2024 – July 2024
- Contributed as a front-end developer to an open-source medical record storage system, implementing **login/signup** for doctors and patients, and designed the **about page** and **footer**, leading to a 20% increase in user engagement.
- Streamlined **backend integrations** for report submission and review, reducing processing time by 15% and improving overall system reliability.

Automation Alliance | *Collaborative Platform* — January 2024 – March 2024
- Established a robust framework for **continuous integration** and **automated testing** using **Jenkins**, **Docker**, and **GitHub**, achieving a 30% reduction in manual testing time.
- Developed a **centralized platform** for managing assignments and code contributions, improving team productivity by 25% through streamlined workflows and better project coordination.

Bus Tracking App Frontend with CI Pipeline | *Flutter Application*   April 2023 – July 2023
- Led the development of a **Flutter-based** bus tracking app, focusing on **UI/UX enhancements**, which increased user satisfaction by 30%.
- Implemented **Firebase authentication** and established a robust **CI/CD pipeline** using Jenkins and Terraform, reducing deployment time by 40% and improving app scalability with **Docker** containers.

Vector Database in Rust | *Minor Project*   August 2022 – December 2022
- Developed a high-performance **vector database** in Rust, incorporating advanced techniques like **serialization**, **deserialization**, and **Euclidean distance calculations**, optimized for scientific computations.
- Enhanced database performance by implementing **efficient indexing** and query optimization strategies, resulting in a 25% reduction in query processing time.

ACHIEVEMENTS

Earned the **Meta Front-End Development Professional Certificate**, demonstrating proficiency in HTML, CSS, JavaScript, React, and responsive web design, equipping me to build scalable front-end applications.

Served as **Campus Representative** for Curiosify, a startup dedicated to personal growth and skill development, where I enhanced campus engagement and promoted innovative learning solutions.

Actively participated as a cricket team member in **Spandan**, a major college event, showcasing teamwork and sportsmanship, while collaborating with faculty at UPES.