

Aryan

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Skills

Programming C++, C, Python, JavaScript **Data Structures & Algorithms** Expertise in C++, C, Python
Web Dev. HTML, CSS, Bootstrap, NodeJS, **Operating Systems** Ubuntu, Linux
ReactJS, MySQL, REST API **Languages** English, Hindi

Experience

Task-Based Contributor, Scaled Uber Solutions

Dec 2024 – Present

Paid Project-Based Work

- Completed 125+ high-priority tasks in a scalable Uber-like system, optimizing workflows and automating processes.
- Engineered AI-driven solutions to enhance task execution, improving accuracy, scalability, and system performance.
- Developed optimized algorithms to refine AI-generated code quality, ensuring precision and seamless integration.
- Integrated AI-powered task management to reduce processing time, increase automation, and enhance reliability.

Education

Dr. B.R. Ambedkar National Institute of Technology, Jalandhar

Nov 2022 - Present

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING — CGPA : 8.26/10

Vaish Public School, Rohtak, Haryana, India

June 2022

CBSE (CLASS XII) , AGGREGATE : 94%

Projects

ML Visualizer

GitHub Repo.

Technologies: React.js, Vite, Plotly.js, JavaScript

- Developed a responsive web app to visualize 4+ ML algorithms (K-Means, Hierarchical, FP-Growth, Apriori) with real-time dynamic plots, enhancing algorithm understanding for 100+ users.
- Achieved 60% faster load and render times by optimizing Vite build setup and modularizing React components for scalable development.
- Improved UX across all devices with dark/light mode support and mobile-first UI, reducing bounce rates by 35% during testing sessions.

Scriptify

GitHub Repo.

Technologies: Flask, Machine Learning, Python

- Developed a web application that successfully generates over 50+ PDFs from handwritten text inputs.
- Integrated machine learning models with custom calligraphy styles to create 95% user-satisfaction-rated font generation.
- Enhanced PDF generation efficiency, reducing processing time by 40% through streamlined code and refined ML model design, achieving faster results.
- Achieved a reduction in server downtime by 20% by implementing better error handling and load management processes.

Social-Media Simulation with OOPS in C++

GitHub Repo.

Technologies: C++, OOP, File Handling

- Engineered a social media simulation managing data for 100+ users, utilizing advanced object-oriented programming and file handling.
- Improved data processing speed by 30% through efficient algorithm design and data management, reducing memory consumption by 25%.
- Enhanced system stability, ensuring 90% uptime by incorporating optimized memory management techniques.

Coursework

- Data Structures and Algorithms
- Database Management Systems
- Machine Learning
- Design and Analysis of Algorithms
- Object Oriented Programming
- Computer Networks

Achievements

- Solved more than 250+ problems on various platforms, demonstrating proficiency in tackling complex coding challenges.
- Appeared for the NDA interview twice.

Certificates

- **Advanced Learning Algorithms, Coursera** Completed: Jun 2024
- **Supervised Machine Learning: Regression and Classification, Coursera** Completed: Jan 2024