Priyam Aryan

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Final-year Computer Science (AI & ML) student experienced in developing scalable, low-latency web platforms and machine learning systems using Java, C++, Python, and modern JavaScript frameworks, with flexibility to relocate and work from any location across India.

EDUCATION

Sharda University **GPA: 8.01/10.0 | No Backlog |** *September 2022 – May 2026*

Bachelor of Technology in Computer Science (Artificial Intelligence & Machine Learning)

Relevant Coursework: Data Structures & Algorithms, Machine Learning, DBMS, Computer Networks, OOP

EXPERIENCE

Front-End Developer | *RnPSoft Pvt. Ltd. May 2024 – August 2024 Delhi, India*

- Improved end-to-end latency of Kalinga AI web platform by integrating 6 RESTful APIs, reducing page load time by 30% and enabling real-time chatbot interactions for 5,000+ concurrent users
- Engineered News Web Application with 4 dynamic data-fetching APIs using React.js and Node.js, improving content delivery speed by 40% through efficient state management with Redux
- Revamped company landing page and implemented fault tolerant CI/CD pipeline using Docker and Git, scaling user capacity 20x from 1,000 to 20,000 concurrent users with 99.9% uptime
- Collaborated with cross-functional teams using Agile methodology, delivering 3 production-ready features ahead of schedule

PROJECTS

TravelLink – Collaborative Trip Planning Platform | GitHub

Next.js, React, Express.js, Node.js, MySQL, Socket.io, Redux, Leaflet API, Gemini AI, Clerk Auth, Git

- Designed scalable distributed real-time collaborative trip planning systems using Socket.io, enabling 10+ users to synchronize updates on shared itineraries, reducing coordination time by 50%
- Developed automated concurrency-safe expense tracking with split-settlement algorithm, processing 100+ transactions with 100% accuracy and eliminating manual calculation errors for group finances
- Integrated Gemini AI API to generate personalized travel itineraries using Information Retrieval and Natural Language Processing in under 60 seconds, reducing planning time by 40% through intelligent recommendation engine
- Designed scalable MySQL database schema handling 1,000+ concurrent sessions with optimized queries reducing response time by 35%

Sign Language Detection System | GitHub

Python, TensorFlow, OpenCV, Scikit-Learn, NumPy, Pandas, Git

- Trained deep learning model on ISL-CSLTR dataset achieving 92% accuracy in real-time Indian Sign Language recognition using TensorFlow and OpenCV for gesture detection
- Developed intuitive learning portal reducing beginner learning curve by 40%, making sign language education accessible to 200+ students across campus
- Optimized model inference time to 30ms per frame using model quantization, enabling smooth real-time video processing at 30 FPS

TECHNICAL SKILLS

Languages: C++, Java, Python, JavaScript, SQL

Frameworks & Libraries: React.js, Next.js, Node.js, Redux, TensorFlow, jQuery, Tailwind CSS

Databases: MySQL, MS SQL Server, Oracle, Convex

Tools & Technologies: Git, Docker, CI/CD, RESTful APIs, Agile/Scrum, Object-Oriented Programming, AWS, AutoCAD

Core Competencies: Natural Language Processing, Machine Learning, Load Balancing, Microservices, Complexity Analysis, System Design, Full Stack Development, Networking (TCP/IP, HTTP, WebSockets), Operating Systems (Process Management, Scheduling, Memory Management), Data Compression

ACHIEVEMENTS

- Published research paper in **2025 IEEE 14th International Conference on Communication Systems and Network Technologies** – IEEE Xplore
- Awarded **Best Paper** at 7th International Conference on Smart Computing and Informatics (Scopusindexed, publication pending) – Certificate