ARJUN SRIVASTAVA

(+91) 91255 45599, Zarjun641@gmail.com, [LinkedIn](), [GitHub]()

OBJECTIVE

Results-driven Software Developer and Data Analyst with hands-on experience in AI systems, full-stack development, and data visualization. Proven ability to build scalable applications, optimize analytical workflows, and lead cross-functional collaborations. Skilled in Python, SQL, machine learning, React, and Spring Boot with strong problem-solving and product-thinking abilities. Adept at transforming business requirements into technical solutions and delivering user-centric digital products.

EDUCATION

Bachelor of Engineering - Computer Science Engineering   **September 2022 - June 2026**
Specilization in Big Data Analytics
Apex Institute of Technology, Mohali   **Chandigarh University**

EXPERIENCES

Full-Stack Developer & Internship Mentor — NTS Nihon Global   **May 2025 – Jul 2025**
Led and mentored an intern in developing a ride-booking application with booking, cancellation, and fare calculation logic.

Designed and implemented backend REST APIs using Spring Boot and integrated them with React/TypeScript frontend components.

Improved system reliability and performance through API optimization, testing, and seamless frontend–backend communication.

Data Analytics Intern — Pawzz   **June 2024 – July 2024**
Conducted data-driven analysis using Excel, SQL, Power BI, and IBM Cognos to track donations and optimize fundraising campaigns.

Built automated dashboards and visual reports to support operational decision-making and monitor rescue performance.

Collaborated with cross-functional teams to streamline workflow processes and improve reporting efficiency.

PROJECTS

Sign Language Decipher (Neural Network Mode)   **December 2025 - Present**
Developed a deep learning pipeline to convert sign-language video frames into text using neural networks.

Processed 8000+ Phoenix dataset videos, extracted landmarks, and trained a custom NN for real-time inference.

Built a live prediction system using PyTorch, TensorFlow Lite, and a custom video landmark pipeline.
View Project: [Click here]()

AI-Powered Attendance Tracking System — Chandigarh University   **December 2025**
Built a full-stack MERN dynamic form builder with Airtable OAuth 2.0, auto-generating forms directly from Airtable schemas.

Implemented advanced conditional logic (AND/OR rules) with real-time data sync powered by Airtable webhooks.

Engineered a scalable backend with secure token refresh, webhook automation, seamless Airtable–MongoDB integration and analytics.
View Project: [Click here]()

Educational Management Platform (Full-Stack Web App)   **Sept 2025 - Nov 2025**
Built a complete school management system with dashboards for Admin, Teacher, and Student.

Implemented attendance, marks, analytics, exam scheduling, drag-and-drop class management, and notifications.

Built with Next.js 14, React, TypeScript, Tailwind CSS, SQLite, JWT auth, and role-based access control.
View Project: Click here

SKILLS

Programming Languages	Python, C++, Java, JavaScript, TypeScript, SQL
Frameworks & Libraries	React, Next.js, Node.js, Spring Boot, Tailwind CSS, Express.js
AI & Machine Learning	PyTorch, TensorFlow Lite, Scikit-Learn, Mediapipe, OpenCV, RNN/LSTM Models
Data Analytics & Visualization	Power BI, Tableau, Excel, IBM Cognos, Matplotlib, Seaborn, Pandas, NumPy
Database Technologies	PostgreSQL, MySQL, Supabase
Cloud & Deployment	GitHub, Vercel, Netlify, REST APIs, JWT Authentication
Tools & Developer Workflow	Git, GitHub, VS Code, Jupyter Notebook, Postman
Product & System Design	Requirements Analysis, Agile Workflows, Documentation, UI/UX Planning

COURSES AND CERTIFICATES

Microsoft	Data Analysis and Visualization with Power BI
IBM	Data Visualization with Python
University of Michigan	Using Python to Access Web Data; Python Data Structures
LearnQuest	Fundamentals of Big Data

HOBBIES

Listening to Music, Badminton, Swimming, Chess, Online Games