→ +91 8688247582
→ jayeshbansal497@gmail.com

→ Portfolio

→ LinkedIn

→ LeetCode

→ HackerRank

→ HackerRank

→ HackerRank

→ HackerRank

→ HackerRank

→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerRank
→ HackerPacker→ HackerPacker→ HackerPacker→ HackerPacker→ HackerPacker→ HackerPacker→ HackerPacker→ Hacker→ Hac

Jayesh Bansal

Education

Indian Institute of Technology Madras, Madras, India

Bachelor of Science in Data Science and Applications (Online)

SR University, Telangana, India

Bachelor of Technology in Computer Science

Projects

FastAPI Automation Tool - Python, FastAPI, OpenAI GPT (GitHub)

- Devised an AI-powered automation system using FastAPI, automating 80% of tasks and cutting execution time from 10 minutes to 5 seconds per task and integrated OpenAI GPT for natural language task classification, enhancing AI-driven automation in a production environment.
- Constructed modular API endpoints for log analysis, structured data processing, and AI-driven email parsing, improving efficiency by 60% and strengthened security by restricting access to specific directories, blocking 95% of unauthorized modification attempts.

Web Data Extraction & Processing Tool - Python, Web Scraping, File Parsing (Github) Dec 2024 - Jan 2025

- Designed an automated data pipeline using Python and cloud-based services, reducing manual data entry by 15 hours per week and allowing data analysts to focus on strategic analysis and built a resilient web scraping engine with adaptive request headers, increasing scraping success rate from 70% to 95%.
- Created an efficient file parsing system to retrieve structured data, improving processing speed by 40%.and optimized asynchronous requests and randomized delays, enhancing scraper performance while preventing IP bans.
- Applied transformation techniques to clean and normalize 50,000+ extracted product attributes monthly and refined data storage by optimizing structured logging, reducing log retrieval time by 35% for datasets exceeding 100GB and added robust error-handling techniques to maintain scraper reliability.

Multi-Format File Scanner - Python, Regex, OpenPyXL, PyPDF (GitHub)

- Developed a Python-based file scanner to search for keywords across multiple document formats, scanning 5,000+ files in under 10 minutes and applied regular expressions (Regex) to efficiently locate and highlight search terms within large documents.
- Engineered a multi-threaded file scanning approach to boost search speed by 30% and incorporated OpenPyXL and PyPDF for seamless spreadsheet and PDF content extraction.
- Built a CLI-based progress tracker, reducing processing time by 30% for scanning 10,000+ files per batch and enhanced error handling and performance optimization for large-scale file processing.

Internships

Google AI-ML Virtual Internship (Certificate)

Engineered an advanced image classification feature within Android Studio, Boosted image classification accuracy from 75% to 92%, improving search relevance for 5,000+ monthly users.; integrated machine learning algorithms that upgraded user experience for over 5,000 app users monthly.

Skills

- Soft Skills: Leadership, Teamwork, Logical Reasoning, Communication
- **Programming:** C, Python, Java, C++, Ruby
- Web: HTML, CSS, JavaScript, FastAPI, REST APIs
- Databases: SQL, PLSQL, SQLite
- AI & Machine Learning: OpenAI GPT, Embeddings, AI-based Text Processing
- Tools: VS Code, Brackets, Eclipse, Notepad++, Dev C++, Python, Thonny, Uvicorn, Postman
- Source and Version Control: Git, GitHub
- Coursework: Data Structures and Algorithms (DSA), Operating System, Computer Network, Database Management System (DBMS), Natural Language Processing (NLP)

Dec 2024 - Jan 2025

July 2024 – September 2024

Feb 2025 - Feb 2025

Jan 2024 – Dec 2027 (Transcript) CGPA: 8.75

Oct 2022 – May 2026 (Transcript) CGPA: 9.5

Achievements and Certifications

Achievements

- Smart Interviews Smart Coder, achieved Bronze Certification with a Global Rank of 16646/40531. (Certificate)
- Executed a comprehensive advertising campaign for the AD-War competition, leveraging digital platforms which resulted in over 5,000 views and 200+ interactions, establishing a strong presence among peers. (Certificate)
- Secured a position among the top-ranked participants at the SIH 2024 Internal Hackathon; focused on innovative coding solutions that fostered teamwork and enhanced collaborative skills within a competitive environment. (Certificate)
- Outstanding academic performance in the IV and V semester of my B.Tech in Computer Science and Engineering. Ranked in the top 10% of the class of 2022-26 (Certificate)

Certifications

• Machine Learning Techniques using Numpy	(Verify) April 2025
• Theory of Computation	(Verify) October 2024
Software Models Using UML	(Verify) March 2024
• Machine Learning, Deep Learning using Tensorflow	(Verify) March 2024
Microsoft Azure Fundamentals	(Verify) March 2024
• Data Structures	(Verify) October 2023
• Python	(Verify) October 2023