

YASH JAIN

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Professional Summary

Dynamic and passionate Computer Science graduate with a strong foundation in Software Development, Machine Learning, Deep Learning, GenAI and Data Engineering. Having experience designing high-quality, efficient, and scalable software solutions in fast-paced environments. Proficient in Python, C++, SQL, Java and Cloud Technologies, with hands-on experience in distributed systems, information retrieval, and automated testing workflows. Possessing a deep understanding of Unix/Linux environments, CI/CD pipelines, version control systems like Git, and Agile methodologies, Experienced in tackling complex challenges and optimizing system performance through collaborative development.

Education

Jain University

Bachelor of Technology in Computer Science

Sep 2022 – Present

Bangalore, Karnataka

Guhan School

Higher Secondary in Computer Science

Apr 2021 – May 2022

Madurai, Tamil Nadu

Relevant Coursework

- Data Structures
- Machine Learning
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- OOPS
- Deep Learning
- Gen-AI

Experience

UptoSkills

Data Analyst Intern

Jan 2025 – April 2025

Remote

- Analyzing large datasets using SQL, Pandas, and Power BI, uncovering insights that improved business decisions.
- Built interactive dashboards that enhanced reporting efficiency by 25%.
- Conducted predictive analysis to forecast trends, leveraging machine learning models.

HubbleMind Pvt Ltd

SQL Intern

Oct 2024 – Nov 2024

Remote

- Developed optimized SQL queries, reducing execution time by 20%, improving database efficiency.
- Designed and integrated data pipelines for interactive Power BI dashboards, aiding decision-making.
- Automated ETL workflows, increasing data processing efficiency by 15%
- Applied data warehousing techniques, ensuring smooth and scalable data retrieval.

Projects

Poof40 – Real-Time Vanishing Chat App

April 2025

- Designed a self-expiring chat system using AI-assisted development and prompt engineering, leveraging Supabase Realtime API and PostgreSQL triggers for live message handling.
- Focused on logic and system flow using no-code/low-code UI tools guided by AI prompts; deployed the app via Netlify with CI/CD integration.

FRAS: A Cutting-Edge Solution for Seamless Identity Verification

Aug 2024

- Built a system that reduced manual attendance efforts by 80% using face recognition technology.
- Implemented feature extraction methods (LBP, PCA) to achieve 95% accuracy. Deployed Excel-integrated tracking, automating attendance data storage and validation.

BrainScanNet: Enhanced Brain Tumor Classification

July 2024

- Led a team to develop a brain tumor detection system using EfficientNetB2 and custom MRI preprocessing (homomorphic filtering, contrast enhancement, cropping), achieving 99.84% accuracy across 3 public MRI datasets;
- applied image augmentation, transfer learning, Grad-CAM explainability, threshold tuning, and evaluated via confusion matrix and F1-score.

Technical Skills

Languages: Python, Java, C++, Sql, Bash

Developer Tools: VS Code, Eclipse, Google Cloud Platform, PowerBi, MongoDB, MySQL

Technologies/Frameworks: Linux, GitHub, LangChain, HuggingFace, FastAPI, GEN-AI

Certifications

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|---|------------------------------------|
| Oracle Cloud Infrastructure 2025 Certified Data Science Professional <i>Oracle</i> | Oct 2025 <i>Online</i> |
| Oracle Cloud Infrastructure 2025 Certified Generative AI Professional <i>Oracle</i> | Aug 2025 <i>Online</i> |
| Ubuntu Linux Professional Certificate by Canonical <i>Canonical</i> | March 2025 <i>Online</i> |
| Google Data Analytics Professional Certificate <i>Coursera</i> | Feb 2025 <i>Online</i> |

Publications

- Y. Jain, J. Suriya Prakash** (2025)
Deep Learning in Ophthalmology: A Novel Approach for Retinal Condition Prediction
- Y. Jain, J. Suriya Prakash** (2025)
A Predictive Analysis of Increasing IDSystem Accuracy Using ML Algorithms in Kyoto Dataset
- Y. Jain, J. Suriya Prakash** (2025)
Advancing IDS: A Comparative Analysis of Algorithms on the Kyoto 2015 Benchmark Dataset

Leadership / Extracurricular

Mentor: Guided junior students in Python & Machine Learning.

Force for Good Program: Developed a sustainable tech solution for a non-profit organization.