

Aniket Saha

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EDUCATION

Lovely Professional University

Bachelor of Technology - Computer Science and Engineering: CGPA: 7.59

Punjab, India

Aug 2023 – May 2027

PROJECTS

AI Data Analyst / Python, Git

Mar 2025 – Present

- Built an AI agent capable of processing 100,000+ data records at runtime, supporting 20+ user-specified operations using NumPy, Pandas, Matplotlib, and Seaborn
- Developed an interactive command-driven interface that reduced analysis time by 40% for common preprocessing and visualization tasks
- Automated handling for 10+ dataset formats (CSV, XLSX, JSON), enabling wide compatibility and reducing manual intervention
- Integrated a CI/CD pipeline with GitHub Actions, running 15+ unit tests per push to ensure stability and accelerate deployment cycles by 50%

Fire Detection System / Python, Git

Oct 2024 – Dec 2024

- Designed a real-time fire detection model using YOLOv8, achieving detection accuracy of 92% on a dataset of 5,000+ annotated images
- Optimized image preprocessing pipeline, reducing false positives by 30% and enhancing model performance in low-light scenarios

Virtual Quiz Game / Python, MySQL

Feb 2024 – Apr 2024

- Constructed a modular question management system using CSV files, enabling educators to add 300+ questions across 10+ topics, increasing content scalability by over 80%
- Implemented gesture-based interaction using MediaPipe and CVZone, achieving 95% accuracy in hand detection and enhancing user engagement for 6-12-year-old students
- Engineered a branching narrative system with 5 distinct difficulty settings, leading to a 40% increase in average session duration and a 25% rise in daily active users during beta testing.

CERTIFICATIONS/ACHIEVEMENTS

Course Completed: Unrevealing Basic Python towards ML/AI – CSE Pathshala, March 2024

Hackathon Finalist: Reached the finals of the LPU IOT Hackathon for developing a gesture-controlled educational game using MediaPipe.

300+ questions solved: Completed challenges on platforms like Leetcode, Hackerrank and GFG.

Open Source Contribution: Contributed to educational content modules in an open-source e-learning platform on CoderLegion.

PROFILES

Coding Profiles: LeetCode Hackerrank GeeksforGeeks

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS

Frameworks: Tailwind, React

Tools/Technologies: Git, VS Code, Visual Studio, PyCharm

Core Concepts: : Operating System (OS), Data Structures, Networking, Database (DBMS), Software Engineering