

JASMINE

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EDUCATION

Master of Computer Applications (MCA)

Maharaja Ranjit Singh Punjab Technical University, Bathinda
Specialization: Software Development and Applications
CGPA: 8.70/ 10 | Graduated: June 2025

Punjab, India

Aug 2023-- June 2025

🏆 University Gold Medalist (2025)

Bachelor of Science – Computer Science, Statistics, Mathematics

Sanatan Dharma Sabha Girls College, Bathinda – Punjabi University, Patiala
Maharaja Ranjit Singh Punjab Technical University, Bathinda
CGPA: 8.61 / 10 | Graduated: Aug 2022

CERTIFICATES & AWARDS

- Awarded University Gold Medal for Academic Excellence in MCA (2025)
- C/C++ Programming Certification – Bangalore Coaching Center, Bathinda
- Python Programming Certification – Pyzaql Learning Institute (Online)
- Secretary, Training & Placement Cell – MRSPTU
- University Farewell Award for Academic Excellence and Campus Involvement

PROJECTS

AI Code Review Assistant

Tech Stack: Python, Django, OpenAI API, Git, HTML, CSS, Bootstrap

- Developed an AI-assisted code review platform that analyzes Python source code for syntax errors, best practices, and optimization opportunities.
- Integrated Large Language Model (LLM) APIs to provide intelligent code improvement suggestions.
- Implemented code quality analysis, error detection, and readability recommendations.
- Designed a clean web interface for code submission and instant AI-generated feedback.
- Improved development productivity by reducing manual code review effort.

Smart Expense Tracker with AI Analytics

Tech Stack: Python, Django, Machine Learning, MySQL, Chart.js, Bootstrap

- Developed an intelligent expense management system that categorizes transactions automatically using Machine Learning.
- Generated AI-based spending insights, monthly reports, and personalized budget recommendations.
- Designed interactive dashboards with visual charts for expense analysis.
- Implemented secure authentication and transaction history management.
- Improved financial planning through automated analytics and predictive spending trends.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, SQL, C++, HTML5, CSS3

Frontend: React.js, Next.js, Bootstrap, Tailwind CSS

Backend: Django, FastAPI, REST APIs

Databases: MySQL, PostgreSQL, MongoDB

Tools: Git, GitHub, Docker, Postman, VS Code

Cloud: AWS (EC2, S3 Basics)

Concepts: OOP, DBMS, OS, Data Structures, Algorithms, REST API, Authentication, JWT

EXPERIENCE

Python & Web Development Intern

SIDH Technologies Services | Mar 2021 – Dec 2022

- Developed dynamic web applications using Django, HTML, CSS, and MySQL.
- Designed and implemented a job portal with user authentication and an admin panel.
- Collaborated in a team to enhance backend functionality and UI responsiveness.
- Achieved 85% in the final evaluation for technical skills and project delivery.