

# H PRIYANKA

[priyankah2407@gmail.com](mailto:priyankah2407@gmail.com) — +91 8637661559 — Chennai, India  
[linkedin.com/in/hpriyanka1](https://linkedin.com/in/hpriyanka1) — [github.com/hpriyankaa](https://github.com/hpriyankaa)

## PROFILE

Computer Science student (CGPA 9.98) with a strong foundation in SDLC, scalable software engineering, and robust solution design. Skilled in Python and SQL, with hands-on experience developing maintainable, business-focused applications. Active technical community member, leading peer coding initiatives and fostering collaborative problem-solving. Eager to build secure, reliable software that empowers modern financial and business systems.

## SKILLS

- Python, DSA, OOP, SQL
- Machine Learning, AI, Data Science
- Numpy, Pandas, Scikit-learn, Matplotlib, Seaborn
- Operating Systems, Computer Networks, Engineering Mathematics, Database Management Systems (Databases)
- Git(Github), HTML/CSS, JavaScript, Streamlit, Postman
- MS Excel, MS PowerPoint
- Communication, Teamwork, Problem Solving
- 3-star badge on HackerRank (Python)

## EDUCATION

<b>SRM Institute of Science and Technology, Chennai</b>	2023 – Present
B.Tech in Computer Science and Engineering	
<b>CGPA: 9.98</b>	
<b>Kendriya Vidyalaya No.1, Kalpakkam</b>	
Class XII – 82.2%	2022 – 2023
Class X – 94.2%	2020 – 2021

## EXPERIENCE

<b>Data Science / ML Intern, Brainwave Matrix Solutions</b>	April 2025 – June 2025
---	------------------------

- Developed a customer churn prediction system to identify high-risk customers and support retention strategies.
- Preprocessed data using pandas and LabelEncoder, and handled class imbalance with SMOTE for better model performance.
- Built and evaluated Decision Tree, Random Forest, and XGBoost models, improving accuracy.
- Created visual insights using Matplotlib and Seaborn to highlight churn factors for business teams.
- Deployed a Streamlit dashboard for live churn risk monitoring and scenario analysis.
- Followed SDLC phases including design, coding, testing, and deployment.

### Technical Member, Developer Student Club – SRM Ramapuram

- Conducted weekly DSA practice sessions as Competitive Programming domain member, guiding peers through LeetCode and CodeChef problems.
- Explained logic, edge cases, and time-space tradeoffs during peer learning sessions.
- Maintained a shared DSA tracker and promoted regular coding practice, fostering a collaborative engineering mindset.
- Assisted in web development tasks and coordinated technical activities for Dev Summit.

## PROJECTS

### Credit Limit Management System — [GitHub](#)

- Built a system to suggest credit limits for customers by analyzing their financial behavior, such as income and spending habits.

- Focused on creating a balanced approach that helps manage risk while offering fair credit recommendations.
- Designed the overall structure and ensured smooth functioning of the system in real-world scenarios.

#### **Automated Minutes of Meeting (MoM) — [GitHub](#)**

- Transcribed audio using Whisper AI and summarized using Llama Index.
- Designed a scalable, user-friendly UI using HTML, CSS, and JavaScript, incorporating requirement analysis and iterative design to improve user experience and system accuracy.

#### **Book Recommendation System — [GitHub](#)**

- Developed a recommender engine using collaborative filtering.
- Integrated with SQL to store and retrieve user preferences.

#### **Starbucks Reimagined UI Clone — [GitHub](#)**

- Recreated the Starbucks website interface to demonstrate frontend development skills.
- Focused on responsive design using HTML, CSS, and JavaScript for clean UX replication.

## **ACHIEVEMENTS**

---

- Top 2000 All-India Rank in SRMJEE – awarded 25% scholarship.
- National-level swimmer with multiple medals.
- Ranked among the Top 10 teams at the Women Techmakers Hackathon for innovative solution development.
- Selected for GirlScript Summer of Code 2025; currently exploring projects and preparing to begin open-source contributions.

## **CERTIFICATIONS AND LEARNING**

---

- Complete AI, Machine Learning, and Data Science Bootcamp
- Database Management System - [NPTEL](#)
- Practice: HackerRank, LeetCode (DSA and Python tracks)

## **LANGUAGES**

---

English (Fluent), Hindi (Fluent), Tamil (Native)