SHRUTI V. RATHOD

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LinkedIn | GitHub | Website

Education

- **Usha Mittal Institute of Technology, SNDT Women's University**   **2021-2025**
  B. Tech (Computer Science and Technology) | CGPA – 7.22   *Mumbai, Maharashtra*
- **Hill Spring International Junior College**   **2019-2021**
  Higher Secondary Certificate | Percentage: 79.50%   *Kalyan, Maharashtra*
- **Shri Gajanana Vidyalaya**   **2018-2019**
  Secondary School Certificate | Percentage: 85.60%   *Kalyan, Maharashtra*

Experience

- **Java Developer Internship**
  Build JAVA Calculator   **March 2025 – April 2025**
  Student Course Management System   *WORISGO | Online*
  Employee Management System Web App on Spring
- **Full Stack web Development virtual Internship**   **Jan 2025- Feb 2025**
  CRUD Application (Node.js, Express, Postman)   *Technohacks | Online*
  User Authentication System (Flask, SQLite)
- **AICTE- Internship on AI: Transformative Learning with TechSaksham**   **Jan 2025- Feb 2025**
  Image Generation using stable diffusion & Comfy UI   *TechSaksham | Online*
  Learned about Comfy UI and Stable Diffusion

Projects

- **Smart Recipe Generator**
  *Developed an AI-powered **Smart Recipe Generator** using Flask and Hugging Face Transformers.*
  Implemented JAX-based NLP processing for efficient recipe text generation.
- **Graphical Passwords to Avoid Shoulder Surfing**
  Implemented three-phase authentication (text, color, image-based) for enhanced security.
  Used Flask, SQLite, and SHA-256 for secure user authentication.
  Ensured resistance to shoulder surfing attacks using graphical authentication.
- **A Google Chrome Extension for YouTube Transcript Summarizer**
  Built a Flask API to generate AI-powered video summaries using T5 Transformer.
  Extracted transcripts via YouTube Transcript API and processed them for summarization.

Technical Skills

Languages: Java, C/C++, Python, JavaScript,
Frontend Tools: HTML, CSS, Vite, Yarn
Databases and Numerical Computing: SQL, Octave, MATLAB, PostgreSQL, SQlite - SQAlchemy
Frameworks: Flask, Express.js, Spring Framework, Postman
Tools: GitHub, VS code, Collab, GCP ,Git, HTTP, REST, AJAX, JSON
Course Works: OS, OOP, DBMS, Computer Networks, Compiler Design, NNDL, Cloud Computing

Position of Responsibility

- **Junior Council Member at IEEE Women's In Engineering -UMIT**   **Jun2022- Jun2023**
  Designed posters and handled publishing work for promotions.
  Assisted in planning and executing initiatives.
- **Co-chairperson Senior Council member at IEEE Women's In Engineering - UMIT**   **Jun2023- Jun2024**
  Provided leadership and strategic direction for the team.
  Successfully organized and led multiple initiatives.

Achievements and Awards

Consolidation Prize in Major project exhibition at UMIT SNDT Women's University (2024-25)

Shruti Rathod, IJCRT May-2025," Multi-layered Authentication system for enhanced security against Shoulder-surfing."

(Shruti V. Rathod)