Harshita (Software Engineer)

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EDUCATION

- **Chitkara University** — Punjab, India
  Bachelor of Engineering - Computer Science ; GPA: 9.77 — *October 2022 - July 2026*
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

TECHNICAL SKILLS

- **Languages**:   Python , C, C++, JavaScript, SQL, Bash, Java.
- **Libraries**:   Scikit-learn, React, Flask
- **Tools**:   Mongoose, GIT, PostgreSQL, MySQL, Vercel , Render
- **Platforms**: Linux, Web, Windows
- **Concepts**: Object-Oriented Programming, Software Development, Software Design, Software Testing, Engineering Principles, Creative Engineering
- **Soft Skills**: Collaboration, Technical Guidance, Product Quality, Customer Focus, Team Environment, Project Completion
- **Platforms**: Linux, Windows, Web
- **DSA Practice**:   LeetCode(350+ question solved)

EXPERIENCE

- **Avinya Capstone Display Hackathon** — Winner
  Student Developer — *23-24 May 2024*
  - **Led Team to Success**: Coded an AI-driven real-time video calling platform with sign language interpretation, securing 3rd position out of numerous participants.
  - **Innovation in Accessibility**: Successfully pitched and validated the idea, creating a significant impact in accessibility tech.

- **Tech Abhivyakti Hackathon** — Finalist
  Student Developer — *17 March 2023*
  - **Prototype Development**: Created and showcased a prototype for a library management system, emphasizing automation and efficiency.
  - Demonstrated the final product to key stakeholders, emphasizing breakthrough features in library management that enhanced user experience and boosted overall efficiency by 35%.

- **ShopClues Smart Cataloguing Hackathon** — Finalist
  Student Developer — *19-20 March 2024*
  - **Product Cataloguing Innovation**: Created an app for easy cataloguing of products, making it to the top 10 finalists.
  - **Live Demo and Presentation**: Showcased the final product with a presentation and live demo.

PROJECTS

- **Library Management System (Desktop Application)**: Software for students and librarians to automate book management and streamline issuing and returning tasks. **Tech:** Python, Tkinter, SQL. (December 2022)
- **MCQs Based Examination System (Desktop Application)**: Made an app for automated quiz creation and student profile management. **Tech:** Java, JWT, Swing, SQL, NetBeans. (July 2023)
- **Chat App (Website Service for Real-Time Communication)**: Work in progress messaging app similar to WhatsApp with plans for additional features. Currently supports one-on-one real-time chat. **Tech:** Node.js, Express.js, React, Mongoose. (March 2024 - Present)
- **Video Call Implementation with Integration of Sign Language Detection Model**: A tool for implementing machine learning pipelines and a service for interpreting sign language in video calls. **Tech:** Python, HTML, CSS, JavaScript, WebRTC, Scikit-learn, Neural Networks. (April 2024 - May 2024)
- **Blogging Website (BytePost)**: Work in progress blogging website with functionality to create posts including headings, descriptions, and image uploads. **Tech:** React, Mongoose, Node.js, Express.js, Render. (April 2024 - May 2024)

HONORS AND AWARDS

- **Avinya Capstone Display** — 23-24 May 2024
  Secured 3rd position for developing AI-generated video calling feature for interpreting sign language.

- **Tech Abhivyakti** — 17 March,2023
  Runner-Up

- **ShopClues Hackathon** — 19-20 March 2024
  Runner-Up

VOLUNTEER EXPERIENCE

- **Participated in #Include Her Program** — Online
  Conducted by Microsoft team to explore the impact of GenAI in developer's life. — *November 2023 - December 2023*

- **Participating in GirlScript Summer Of Code** — Open Source
  Working on innovative open-source projects and collaborating with the community. — *June 2024 - Present*