




# Priti Gupta

## FRONT-END DEVELOPER

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### PROFILE

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Dedicated Computer Science student aspiring to become a Software Engineer, with hands-on experience in software development, web and app development, and data science. Proficient in problem-solving, collaborating with cross-functional teams, and managing projects from concept to deployment. Strong communicator with a passion for crafting efficient, scalable, and impactful tech solutions.

### EDUCATION

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**Bachelor of Technology Computer Science Engineering - 8.28(GPA)** 2022 – present  
Amrita Vishwa Vidyapeetham, Amritapuri  Kerala, India

### INTERNSHIP

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**Amrita Centre for Flexible Electronics & Advanced Materials**  2024 – present  
Software Development Intern

- Developing a platform to centralize and unify access to mobile sensor data.
- Designing an efficient system to optimize sensor data utilization on mobile devices.
- Ensuring compatibility with various sensor types for real-time data streaming.

**Themarketable.in** Dec 2024 – Feb 2025  
UI/UX Intern

- Designed wireframes, prototypes, and interfaces using Figma, ensuring alignment with brand guidelines..
- Conducted usability testing and iterated designs based on feedback.
- Collaborated with developers and product teams to deliver user-centered solutions.


### PROJECTS

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**Emotion Classifier** 2024 – 2025

Python, Pandas, Numpy, ML Algorithm like SVM, Random Forest, KNN

- Developed an emotion classification model using audio data to identify emotional states from speech.
- Employed traditional machine learning algorithms like SVM, Random Forest, and k-NN for emotion detection.
- Focused on enhancing system empathy by detecting subtle emotional cues for more responsive interactions.
- Approved by academic department

**Sorting Visualizer**  Jan 2024 – Feb 2024  
Java, Java Swing, OOP Principles, Bar Chart Visualization

- Lack of intuitive tools for understanding and visualizing sorting algorithms in real-time.
- Built a Java-based Sorting Visualizer using Swing, implementing Bubble Sort, Insertion Sort, Selection Sort, Quick Sort, and Merge Sort.
- Designed a bar chart-based visualization for dynamic, step-by-step sorting demonstrations. Integrated performance metrics tracking (swaps, iterations, comparisons) for algorithm analysis.
- Developed an interactive GUI with controls for algorithm selection and adjustable sorting speed. Enabled clear visualization of sorting efficiency, improving learning and practical understanding.

**AASHA**  Mar 2023 – 2023  
ReactJS, Django, MongoDB, TailwindCSS

- Designed and developed a web application to help patients raise funds for medical treatments by connecting them with global donors.
- Integrated features to create, manage, and view fundraising campaigns with a user-friendly interface.
- Built using React.js for a dynamic frontend and Django for a secure and scalable backend.
- Simplifies the donation process while ensuring transparency and trust in campaign management.

## SKILLS

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### Technical Skills

C++ | Java | Python | Javascript | HTML | CSS | React.js | Node.js | Django | MySQL | Flutter | Dart | NumPy | Pandas | Scikit-learn | Matplotlib | Git | Github.

### Soft Skills

Communication | Problem-Solving | Critical thinking | Team Collaboration | Adaptability & Flexibility | Creativity | Leadership Quality | Time Management.

## CERTIFICATES

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API Fundamental Certification - Postman [🔗](#)

Career Essentials in Generative AI - Microsoft and LinkedIn [🔗](#)

Career Essentials in Software Development - Microsoft and LinkedIn [🔗](#)

## AWARDS

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### Best Engineering Solution - NASA SPACEAPPS CHALLENGE

Oct 2024

- To create interactive visualizations for space-related data, enhancing user engagement and understanding.

### AMMA's CHANCELLOR's SCHOLARSHIP

Jul 2022

- Awarded a full scholarship for a 4-year Engineering program based on academic merit.

## COMMUNITY OUTREACH PROGRAM

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### MENTAL & PHYSICAL HEALTH AWARENESS PROGRAM

Puthiyakavu, India

AMRITA VIDALAYAM

- Organized and participated in initiatives at **Amrita Vidalayam** to raise awareness about the importance of mental and physical health.
- Conducted workshops, interactive sessions, and activities aimed at educating the community on maintaining well-being, stress management, and healthy lifestyle practices.
- Focused on empowering individuals with knowledge and resources to prioritize their mental and physical health.

## VOLUNTEERING ACTIVITIES

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### Member at Amfoss Technical Club

2023

- Contributed as an active member of the **Amfoss Technical Club**, engaging in technical discussions and learning sessions.
- Participated in various projects and workshops, enhancing technical skills and collaborating with peers to explore new technologies.

Kollam, India

## LANGUAGES

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English, Nepali, Hindi — To Read, Write, Speak & Understand.