

Samar Sajad

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EDUCATION

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|---|--------------------|
| • Vellore Information Technology | 2022-2026 |
| • Bachelor of Technology - Computer Science | |
| <i>Courses: Operating Systems, Data Structures and Algorithms, Artificial Intelligence, DBMS, App Development</i> | |
| • INTI International University | Malaysia |
| • Bachelor of Computer Science(Hons) | Jan 2025- May 2025 |
| Delhi Public School Srinagar | Jammu and Kashmir |
| • High School | 2020 |

SKILLS SUMMARY

- **Languages:** Python, C++, SQL, HTML, JavaScript, Java, Solidity
- **Frameworks:** MySQL, Django, React, Node, Express, Next, Scroll, Vanar, Mongodb
- **Machine Learning/AI:** TensorFlow, Keras, Scikit-learn, NumPy, Pandas, Matplotlib, OpenCV, NLP, LLM, GenAI
- **Tools:** Git, Android Studio, Firebase, Docker, Apache Kafka, Cloudinary
- **Platforms:** Web
- **Soft Skills:** Event Management, Content Writing, Public Speaking, Time Management

EXPERIENCE

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|--|---------------------------------------|
| • Jr Web Associate | Remote |
| • ThriftX thriftx.in | <i>September 2025 - February 2026</i> |
| Engineered full-stack features using Next.js, supporting 3 core workflows: orders, payments, and logistics. | |
| Integrated 3+ third-party services (Firebase, ShipRocket, Razorpay) for authentication, payments, and shipping. | |
| Automated deployment processes using CI/CD pipelines, reducing manual release steps and improving deployment stability | |
| • Project Admin | Remote |
| • <i>Girlscript Summer of Code</i> | <i>July 2025 - October 2025</i> |
| Led an open-source Hospital Management System with 10+ contributors across multiple feature modules. | |
| Reviewed and merged 50+ pull requests, enforcing code quality and best practices. Configured a GitHub CI pipeline that reduced deployment errors by 25% through automated testing. | |
| • Web Developer Intern | Onsite |
| • <i>Mid City Urology and General Nursing Home</i> | <i>September 2024 - December 2024</i> |
| Architected backend services using Node.js and MongoDB, streamlining appointment and patient workflows. | |
| Built secure file upload functionality and RESTful APIs, improving data handling efficiency. Designed responsive UI components using React and CSS Modules, reducing appointment processing time by 40%. | |

PROJECTS

- **Breast Cancer Detection using VGG16:** Trained and fine-tuned a VGG16-based CNN using transfer learning to classify breast ultrasound images into 3 classes. Evaluated model performance using confusion matrix, ROC-AUC, and classification reports. Achieved 85% validation accuracy on unseen test data
Tech: Python · TensorFlow, Transfer Learning, Computer Vision
- **Hospital Management Website:** Designed a full-stack healthcare platform to manage patient records, appointments, and reports. Developed RESTful APIs using Express and MongoDB for secure data operations. Implemented a responsive frontend using React and CSS Modules
Tech: React.js, Node.js, Express, MongoDB
- **Smart Recipe Generator:** Developed a full-stack, AI-assisted Recipe Generator supporting 2 input modes: image-based and manual ingredient entry. Integrated Imagga API for ingredient detection and Cloudinary for image storage. Implemented ingredient-matching logic to generate personalized recipe recommendations
Tech: Python, Next.js, Firebase, Cloudinary, Imagga API, REST APIs,

VOLUNTEER EXPERIENCE

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|---|-----------------------------------|
| • Core Member of IoT Club of VIT Bhopal | Feb 2024 - Present |
| Delivered hands-on workshops and live demos on web technologies, boosting peer engagement by 50% | |
| • Participant – ETHU Uprising Hackathon | Asia Pacific University, Malaysia |
| Built a Web3 solution using Solidity, Scroll, and Vanar; explored dApp architecture and Layer 2 scaling. Gained real-time blockchain integration experience in a collaborative environment. | |

ACHIEVEMENTS AND AWARDS

- **21st rank in GSSoC'24:**
- **Rajya Puraskar:**
- **National Player - Netball:**