

AVINA

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Brooklyn, NY

EDUCATION

- **New York University** New York, USA
MS Computer Science, GPA: 3.6 May 2025
- **Vellore Institute of Technology** Vellore, India
B.Tech Computer Science and Engineering, GPA: 8.89 June 2021

EXPERIENCE

- **PharmEasy** Bangalore
Software Developer July 2021 – July 2023
 - Designing, developing, and delivering scalable and robust solutions for the online pharmacy platform
 - Consolidated with analytics teams in optimizing core warehouse flows thereby reducing the TAT of pickers by 37% and lowering warehouse operational costs by 20%
 - Identified and optimized bottlenecks, inefficient codes and slow queries, thereby reducing query response time to < 10 seconds, decreasing invoice and away bill failures from 600 to 100 per week and decreasing database downtime
 - Remodelled Returns system into the existing system architecture, resulting in a 20% reduction in errors, 40% increase in inwarding returned products and increased system security.
 - Addressed escalations and production issues in warehouse under Supply Chain Management during on-calls and coordinated with SSE and Architects according to the severity of escalations to Identify, De-escalate, and Resolve
- **ISRO-Space Applications Centre** Remote
Research Intern - Image Processing Dec 2020 – May 2021
 - Designed and executed a novel system for Incidence Angle Normalization of Ocean ENVISAT ASAR ScanSAR Multi-Look satellite images using Python
 - Executed data Pre-processing and Image processing on large Radar and Geospatial data like N1, Geotiff, ENVI
 - Worked under the guidance of our HOD and a professor in collaboration with a scientist from ISRO to write the research paper and a review paper on existing normalization techniques
 - Built Java GUI and integrated four other Satellite images processing projects, for interactive user experience.
- **Amilcar Technologies** Remote
Web Development Intern Sep 2020 – Nov 2020
 - Redesigned and recreated the company official website alongside a team of developers
 - Spearheaded the redesigning, website development and filtering out relevant company information and links
 - Worked with HTML, CSS, JavaScript, PHP, Bootstrap, JQuery for development with cross-browser/cross-device compatibility in a graded browser support environment

PROJECTS

- **ClassmateIo:** Scalable web application designed on AWS to revolutionize the learning experience. Trained and fine tuned DistilBart CNN model for lecture Summarization. Utilized NLP techniques like Spacy NER, with Gensim and Word2Vec models for MCQ generation. Integrated various AWS services and deployed Flask application on EC2. Also incorporates features like notes taking, lecture audio transcription, efficient data storage and calendar event tracking
- **VacBook:** SpringBoot application developed for vaccination slot booking and management. Developed the RestApis and utilized Spring JPA to connect MySql database to application, and streamlined the data using Apache Kafka. Allowed users to add, delete, modify slots. Allowed admin access
- **With You, A social security app:** Developed an app using Android Studio and Firebase as a personal guide during emergencies. Used Java, Kotlin and Google Maps embed api to send user's last location without the internet connection and display nearby hospitals and police stations. Installed a user friendly AI assistant using Google Dialogflow

SKILLS

- Java, Kotlin, C, C++, Python, R, Linux, Unix, Virtualization, VMware, Operations, Data Structures and Algorithms, Documentation, Networking, Marketing, Microsoft Office, Maintenance, Data Analytics, Visualization
- **Website and App Development:** SpringBoot, Rest Api, AWS, Jira, Shell, Bash, HTML, CSS, JavaScript, jQuery, PHP, React, Bootstrap, Git, Jenkins, ONTAP, JPA, Jira, SQL, CI/CD, Kubernetes, Docker, Database, SQL MySQL, PostgreSQL, MongoDB, Firebase, Android Studio, Google API, SaaS, Project Management, Agile
- **Artificial Intelligence:** NLP, GenAI, PyTorch, Scikit, Pandas, Machine learning, AI, Deep learning, Tensorflow