

PRITHVI SARAN SATHYASARAN

Washington, DC | prithvisarans@gwu.edu | (571) 220-3884 | [linkedin.com/in/prithvisaransathyasaran/](https://www.linkedin.com/in/prithvisaransathyasaran/) | github.com/prithvisaran3

EDUCATION

The George Washington University, School of Engineering & Applied Science

M.S. in Computer Science

Washington, DC

May 2026

Vellore Institute of Technology

B. Tech in Computer Science and Engineering

Vellore, India

May 2023

Relevant Coursework: Machine Learning, Neural Networks, Computer Vision, Software Engineering, Software Paradigms, Cloud Computing

TECHNICAL SKILLS

- **Programming Languages:** Python, Dart, Swift, Java, JavaScript, C/C++, HTML/CSS, SQL
- **Frameworks & Libraries:** Flutter, Django, Node.js, React, Scikit-learn, NumPy, Pandas, OpenCV
- **Tools & Technologies:** Firebase, Supabase, MySQL, AWS, Git, Docker, MongoDB, Android Studio, Xcode, Microservices, RESTful APIs
- **Additional Skills:** Full Stack Development, API Integration, UI/UX Design, Data Structures, Agile Methodologies, RDBMS, CI/CD

PROFESSIONAL EXPERIENCE

Cloud Jovy. Mobile App Development Intern - Fall | San Diego, CA (Remote)

Oct 2025 – Present

- Built a cross-platform Flutter app for 500+ users, streamlining communication, event management, and training resources.
- Architected a scalable front-end using Riverpod, improving app responsiveness and reducing UI rebuild times by 35% across iOS and Android.
- Integrated a Firebase backend for authentication, real-time notifications, and data sync, ensuring 99.9% uptime and multi-role access.
- Implemented Stripe payment workflows for event registrations and achieved 100% transaction success rate in testing.
- Developed dynamic video lesson and event modules, enabling coaches to assign targeted sessions and increasing engagement by 40%.
- Collaborated in Agile sprints with design, conducting code reviews and optimizations that reduced feature delivery time by 25%.

Prommuni. Mobile App Development Intern - Summer | Germantown, MD

May 2025 – Aug 2025

- Built a cross-platform roommate-finder app in Flutter using MVVM + GetX to ensure scalability, maintainability, and clean state management
- Implemented Firebase authentication, session storage, and real-time chat, ensuring secure, low-latency communication for 500+ test users.
- Integrated Mapbox SDK with geolocation, pins, and radius search, improving roommate matching accuracy by 40% during pilot rollout.
- Integrated geolocation services with dynamic radius-based search and location pinning to enhance roommate discovery accuracy.
- Optimized API calls, caching, and rendering pipelines, reducing map load time by 30% and boosting app responsiveness.
- Automated deployments with GitHub Actions CI/CD, cutting build errors by 25% and accelerating release cycles.

Limitless 360. Junior App Developer | Coimbatore, India

Nov 2022 - Jul 2024

- Designed and delivered 12+ production mobile applications using Flutter, Firebase, and REST APIs, reaching a combined 10K+ active users.
- Implemented reusable UI components and modular APIs, reducing code duplication by 30% and standardizing development practices.
- Improved system responsiveness and database sync speeds by 40% through query optimization and caching strategies.
- Partnered with cross-functional teams in Agile sprints, accelerating feature delivery by 15% across multiple apps.
- Deployed apps on Google Play and App Store, ensuring compliance with store guidelines and smooth rollout processes.

TechCiti Technologies. Software Engineer Intern | Bangalore, India

Jun 2022 – Aug 2022

- Developed and deployed RESTful APIs with Django, ensuring clean, modular, and scalable backend design for client applications.
- Assisted in database schema optimization, reducing query latency by 20% in production workloads.
- Wrote detailed API documentation to support frontend integration and reduce developer onboarding time.
- Deployed backend improvements into production environments, enhancing stability and reducing bug reports by 15%.

TECHNICAL PROJECTS

Amazon Retail Sales Forecasting, Team Lead

Jan 2025 – Apr 2025

- Led the development of a machine learning model using Python and XGBoost to forecast Amazon retail sales.
- Engineered a predictive solution that provided granular SKU-level insights, achieving a Mean Absolute Error (MAE) of 119.
- Developed and implemented robust data pipelines for data preprocessing and feature engineering.
- Presented findings, demonstrating the model's value in optimizing logistics and inventory.

Pawfect - Pet Dating iOS Mobile App, Team Lead

Sep 2024 - Nov 2024

- Architected and built a full-featured social iOS app using Swift, including a unique matchmaking algorithm and real-time chat.
- Integrated robust backend services from Firebase and Supabase for secure user authentication and data management.
- Optimized critical user flows by applying Apple-native design patterns, resulting in a 25% reduction in message delivery latency.
- Leveraged the Google Maps API to implement interactive geolocation services, enabling local connections between users.

Oxford Psych Courses, Junior App Developer

Sep 2023 - Feb 2024

- Developed a full-stack Learning Management System (LMS) using Flutter and a RESTful API for real-time content updates.
- Implemented secure access logic and user authentication, ensuring data protection and tailored content delivery.
- Optimized database queries and integrated cloud-based storage, improving content loading speeds by 40%.
- Adhered to the Model-View-Controller (MVC) architectural pattern to ensure a clean, scalable, and maintainable codebase.

CERTIFICATIONS

- **AWS Certified Cloud Practitioner, AWS (2024) | Credential ID:** aadfbdeb8502401093e75642731e8ac3
- **Project Management Virtual Experience, Accenture, Forage (2023) | Credential ID:** 38RQbeARDZz7CGPaP
- **Algorithmic Thinking, Rice University (2020) | Credential URL:** <https://coursera.org/verify/AEDBEYTVQFUC>