

SHIV VYAS

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EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems

New York, NY

Master of Science in Computer Science (MS) | GPA: 3.74/4.0

May 2025

Gujarat Technological University, Sal College of Engineering

Gujarat, Ahmedabad

Bachelor of Engineering (BE) in Computer Engineering | GPA: 3.70/4.0

June 2023

EXPERIENCE

Futeur AI, New York, USA | iOS and Android Developer

August 2024 – Now

- Led the evolution of Futeur into FuteurCred, architecting a React Native mobile app that features real-time business credit monitoring, downloadable credit reports from different credit bureaus and seamless Apple Pay/Google Pay integration for subscription, delivering a high-performance experience across iOS and Android platforms
- Built a sophisticated business intelligence layer powering FuteurCred's analytics engine, implementing advanced state management, offline data persistence, custom hooks for real-time score updates from Equifax and Experian, and optimized API integrations that reduced load times by leveraging efficient data caching.

Pace University, New York, USA | Lab Coordinator Assistant

April 2024 – September 2024

- Created and maintained a diverse computing infrastructure consisting of Windows and Linux (Ubuntu) workstations and servers, ensuring optimal performance and uptime for academic and research activities.
- Served as the primary technical support resource for faculty and students, troubleshooting hardware, software, and network issues. Facilitated the installation, configuration, and deployment of essential software applications and data science tools, including JupyterHub and RStudio Server.

Ordex Technology, Ahmedabad, India | Software Developer Intern

February – July 2023

- Optimized core app flows including login, sign-up, and authentication for Citizex mobile app, improving sign-up rate by 5% and boosting app engagement by 20% via UX streamlining.
- Enhanced React Native app performance through optimization and built custom hooks, cutting rendering times by 60% on complex screens.

ACADEMIC PROJECTS

CalmPulse - Android Wellness Application

December 2024

- Developed a guided breathing and meditation app using Kotlin and Jetpack Compose, incorporating Material Design 3 principles and smooth animations to deliver an intuitive user experience
- Built custom UI components using Canvas API for breathing animations, implemented background services for session tracking, and integrated Firebase for storing user preferences, progress and audio tracks.

Ghor-Kalyug - Full Stack Quiz Platform

December 2024

- Engineered a comprehensive quiz generation system using React and Express, integrating Firebase for authentication and user management and MongoDB for storing generated quizzes, enabling students to create personalized quizzes from uploaded study materials
- Implemented Google Gemini API for intelligent question generation and content analysis, while building robust authentication and real-time progress tracking features that enhanced the learning experience

TurnitUp, Stony Brook University Hackathon

February 2024

- Developed a cross-platform mobile application in a team of 2 where students can share their notes, assignment and coursework using React Native.
- Integrated Firebase as a backend for authentication and storing data like documents like assignments and notes.

TECHNICAL SKILLS AND CERTIFICATIONS

Programming/ Markup Languages: C, Java, CSS, JavaScript, Python, SQL, HTML, XML, Kotlin, Swift

Database Management: Oracle DBMS, MySQL

Framework / Tools: Firebase, Visual Studio Code, React-Native, Docker, Microsoft Visio, Flutter, Git, REST API, NextJS

Extra- Curricular Activities

Autonomous Drone Delivery Systems, Ahmedabad, India | Co-Founder

May 2022 – September 2023

- Mobilized \$40,000 in strategic funding from multiple organizations to spearhead the development of an Autonomous Drone Delivery System, catapulting the startup into the top 10 out of 100 for its groundbreaking innovation and visionary impact.