Sharad Patel

Queens, New York

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Education

Queens College, CUNY   Sept. 2018 – Dec 2023
Bachelor of Arts in Computer Science   *Flushing, NY*
- Dean's List - Spring 2020

Projects

Roster Management Program | *Java, C++ (alternate version)* | **GitHub**   Sep. 2021
- Developed versatile command-line and GUI-based program for the seamless creation and management of course rosters.
- Designed and implemented a robust local database system, optimizing data storage and retrieval for enhanced efficiency.
- Leveraged advanced object-oriented programming principles, including inheritance, encapsulation, abstraction, and polymorphism, to ensure code modularity and scalability.

Reminder Management App | *Android Studio, Java* | **GitHub**   Aug. 2022
- Collaborated effectively within a cohesive team of 5 to conceive and develop an Android application using Java and Android Studio, aimed at enhancing task management through timely reminders.
- Demonstrated proficiency in the back-end by processing user-inputted information to seamlessly create, manage, and remove reminders, ensuring a user-friendly experience.
- Applied fundamental software engineering concepts, including inception and elaboration, to guide the project's development process, ensuring a robust and well-structured application.

Computer Vision Concepts | *Java, C++* | **GitHub**   May 2023
- Multiple projects with focus on different concepts of Computer Vision.
- Implemented concepts include:
    * Automatic Threshold Selection: Developed algorithms for precise image segmentation.
    * Image Enhancement: Implemented techniques for clear and detailed visual analysis.
    * Image Compression: Designed algorithms for efficient image storage and transmission.
    * Morphological Operations: Applied operations for noise reduction and object recognition.

Snake Game | *Python* | **GitHub**   Oct. 2023
- Created Popular snake game using Object Oriented Programming(OOP)
- Used object-oriented programming principles, including inheritance and encapsulation

Technical Skills

Languages: JavaScript, Java, C++, C, Python, Lisp, MIPS, HTML, CSS
Technologies: Android Studio, Node.js, SQL, Git, OpenAI, Unix, ITK, AEM, AWS, Matlab
Skills: OOP, Data Structures, Android Development, Web development, Software Development, RESTful API, AI
Coursework: Computer Vision, Software Engineering, Database Management, Web Technologies, Machine Learning, Image processing, Post-Quantum Crypto, Data Science
Certifications: IBM Data Science

Work/Volunteer Experience

IELTS USA   Feb 2019 – Present
Test Center Coordinator - IELTS   *New York, NY*
- Performed comprehensive administrative duties including test preparation, test closure, and supervision of a team of over 20 staff members and 50+ test takers, while ensuring top-notch customer service.
- Proficiently utilized IELTS softwares to streamline test management processes such as data entry/export and generation.

Youth Leader Volunteer   Spring 2016 – Present
BAPS
- Skillfully plan and execute engaging religious youth activities every Sunday, fostering community involvement and spiritual growth.
- Cultivate a robust network, maintaining weekly interactions with over 30 youth members, nurturing relationships and facilitating open communication.