

Dhruv Shah

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EDUCATION

Masters of Science in Computer Science

Stonybrook University

Aug 2026

New York, USA

Bachelor of Technology in Computer Science

Nirma University : **CGPA 8.61 / 10.0**

May 2024

Gujarat, India

SKILLS

Languages : Java, JavaScript, Bootstrap, C, CSS, HTML, C++, C#, Python, React.js, Kotlin
Platforms and Frameworks : SAP B-1, Spring Boot, Android Studio, Flutter, PyCharm, VS Code
Professional Skills : API Development and Integration, Database Management, Version Control (Git), Agile Methodologies, Code Optimization, Competitive Coding

WORK EXPERIENCE

Software Engineer, MindQuad Solutions, Gujarat, India

Jun 2023 – May 2024

- Engineered Gate Pass and Quality Control modules using **C#** and **SAP Business One (SAP B1)**, enhancing operational efficiency by 30% .
- Developed a seamless **API for real-time data integration** from industrial weighing scales to SAP, achieving 98% accuracy in weight tracking.
- Collaborated with a cross-functional team to architect, develop, and rigorously test a high-performance, scalable system, while streamlining quality control processes within SAP at the Inward, In-Process, and Pre-Dispatch stages, resulting in a 20% increase in compliance.
- Created and deployed sophisticated reports using **Crystal Reports**, enabling data-driven strategies that boosted quarterly revenue by 18% and reduced reporting time by 40%

Full Stack Developer, Spinfluence Digital, Gujarat, India

Jun 2022 – Aug 2022

- Led the development of a comprehensive website as a full-stack developer, employing **Spring Boot and MySQL** to ensure seamless page flow, robust security, and efficient data access; achieved a 40% increase in user engagement and conversion rate.
- Spearheaded the enhancement of API responsiveness, achieving a notable reduction in latency from 4 seconds to 1 second.
- Implemented rigorous security protocols utilizing **OAuth 2.0 and JWT authentication**, fortifying data integrity and access control.
- Facilitated strategic discussions with non-technical stakeholders, effectively bridging the gap between technical and business aspects; this collaborative approach resulted in a 25% reduction in project implementation time.

Web Developer Intern, Vox360 Digital, Gujarat, India

Jun 2021 – Aug 2021

- Acquired proficiency in HTML, CSS, and JavaScript during internship and assisted in creating responsive web pages and implementing basic design principles.
- Gained hands-on experience in website maintenance, including content updates and bug fixes..

PROJECTS

Weather or Not (Chrome Extension) | JavaScript

- Built a Chrome extension with real-time weather updates and a to-do list using advanced API integrations, capable of handling simulated scenarios involving up to 100 weather queries and 200 task updates per minute.
- Integrated real-time weather API to deliver accurate forecasts directly within the Chrome extension interface, enhancing user decision-making and planning capabilities.
- Developed a customizable to-do list feature utilizing responsive design and efficient data management, optimizing task organization and productivity tracking and also featuring motivational quotes fetched through external APIs for enhanced user engagement.

Aahar Application | Android Studio, Java, Glide

- Innovated the Aahar app in **Android Studio using Java** to facilitate the altruistic donation of surplus food to NGOs, aiming to potentially reach up to 500 users in initial simulations.
- Architected a seamless user interface and **integrated Firebase backend**, significantly enhancing user engagement metrics.
- Designed and simulated partnerships with local NGOs with 10 local NGOs, utilizing Firebase Realtime Database and implemented **AES encryption protocols**, ensuring secure and reliable transactions.
- Integrated **Twilio API for SMS notifications** to donors and NGOs ensuring seamless food donation and **Retrofit library** to interact with a RESTful API for **real-time updates** on NGO locations and current donation needs

Mailing System | Java

- Engineered an sophisticated mailing system by expertly applying object-oriented programming principles, showcasing mastery of **encapsulation, inheritance, polymorphism, and abstraction**.
- Architected key functionalities including sophisticated contact management, contact list display, precise email ID selection, and efficient email transmission and reception, coupled with robust contact deletion capabilities.
- Achieved impeccable data integrity and accessibility through the implementation of persistent data storage, systematically organizing sent and received emails into managed text files, supporting up to 10,000 emails.