

ABDURREHMAN NARMAWALA

Computer Engineer

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SUMMARY

I am a third-year Computer Science Engineering student with a solid foundation in programming and a strong passion for problem-solving. With expertise in various programming languages and full-stack development, I continuously seek to learn and adapt to new technologies. I have successfully worked on multiple projects, driving innovation and effective solutions in both desktop and web applications

EDUCATION

Secondary School (SSC)

G.L.S. Sec. School

04/2019 - 03/2021 Ahmedabad, India

Higher Secondary (HSC)

Blue Bell Higher Sec. School


04/2021 - 03/2023 Ahmedabad, India


Bachelor of Technology in Computer Science & Engineering


L.J. University


04/2023 - 03/2027 Ahmedabad, India

STRENGTHS

**AI-Driven Development**
Advanced proficiency using AI tools to research, prototype, generate code, and accelerate workflows

**Full-Stack Engineering**
Strong experience building both desktop and web applications across Java, Python, and MERN stacks

**Product Focus**
Deliverables oriented — from UI/UX to persistence, automated reporting, and deployment readiness

**Data & Automation**
Practical experience with data manipulation, automated PDF reporting, and cloud backup/automation

SKILLS

Agile	Bootstrap	Core Java	CSS	CSV	Data Structures	Django	Data Analysis	ES6
Email Automation	Git	GitHub	HTML	Java	Java Spring Boot	JavaScript	JDBC	JWT
MongoDB	Matplotlib	Numpy	OAuth	OOPs	Pandas	PostgreSQL	Python	React
REST APIs	MySQL	Swing	Tailwind	Node.js	Express.js	Socket.IO		

HACKATHON & WORKSHOP

AI Workshop

L.J. University

05/2025

Key Learnings:

- Leveraging AI for automation and development.
- Using AI tools for **information extraction, prototyping, and project building.**
- Practical exercises on prompt design and improving project workflows with AI.

HACKATHON & WORKSHOP

Odoo Hackathon 2025

Odoo Community Association

📅 07/2025

Role & Contribution:

- Designed and implemented core backend logic for automation.
- Worked on integration of AI for smart decision-making and data insights.
- Contributed to UI/UX enhancements to ensure user-friendly experience.

Key Takeaways:

- Gained exposure to solving real-world ERP problems.
- Enhanced teamwork, time management, and rapid prototyping skills.

PROJECTS

AC Service Management Software

📅 02/2024 - 06/2024

A robust desktop application developed in Java to streamline client and service management for an AC business

- This is a stand-alone desktop application developed in **Java** with a **Java Swing** UI and a **MySQL** database (via JDBC) to streamline the operational workflow of an air conditioning service business.
- It provides full **CRUD** (Create, Read, Update, Delete) capabilities for a comprehensive client database and automates the tracking of service due dates.
- The system manages client service packages, including the number of remaining services, and allows for easy renewals and updates.
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Fashion Hub – E-commerce Website

📅 07/2024 - 10/2024

A dynamic and responsive e-commerce website for a clothing store

- This is a fully responsive and highly interactive e-commerce website built with **HTML, CSS, and JavaScript** to provide a modern online shopping experience.
- It features distinct product catalogs for men, women, and kids, a dynamic search function, and a persistent shopping cart using **LocalStorage**.
- A complete client-side user authentication system (Login/Signup) is implemented using **LocalStorage** to manage user sessions.
- The UI is enhanced with modern elements like a flash sale section with a live countdown timer, detailed product modals, an image slider, an FAQ accordion, and toast notifications.

S.R. Agency – Business Management Software

📅 10/2024 - 03/2025

A comprehensive Python desktop application to manage sales, purchases, inventory, and customer/supplier data

- This is a sophisticated, modular desktop application built in **Python** with a **CustomTkinter** GUI, serving as an all-in-one management solution for a wholesale or retail agency.
- It features separate modules for sales and purchase billing, with the ability to automatically generate and print professional **PDF invoices**.
- A real-time inventory management system tracks stock levels, and a business analysis module uses **pandas** and **matplotlib** to visualize sales trends and customer data.
- The application ensures data security through automated cloud backups to **Google Drive**.

HealthPlus (MERN Stack)

📅 03/2025 - 07/2025

A full-stack telemedicine platform connecting doctors and patients securely

- This is a full-stack telemedicine web application built on the **MERN stack (MongoDB, Express.js, React.js, Node.js)** to provide a secure and efficient remote healthcare platform.
- It implements robust authentication using **JWT** and **Google OAuth** and features strict role-based access control with dedicated dashboards for Admins, Doctors, and Patients.
- Core functionalities include a **Socket.io-powered real-time chat** for secure doctor-patient communication, a dynamic appointment scheduling system with a calendar, and management of medical report uploads.
- A standout feature is its **AI-powered capability** to generate smart health summaries from chat conversations, assisting doctors in making quicker, more informed diagnoses.
- Built a context-aware AI assistant using the **Gemini API** that analyzes a patient's complete medical history to deliver immediate, data-driven insights for patients and healthcare providers.