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ACADEMIC DETAILS

Year	Degree/Exam	Institute	GPA/Marks(%)
2024 - 2028	B.Tech - Computer Science (AI Full Stack Focus)	Graphic Era Hill University, Dehradun	80 %
2023	C.B.S.E (Class XII)	Grace Academy, Dehradun	78.60 %
2021	C.B.S.E (Class X)	Grace Academy, Dehradu	92.40 %

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Python, Java, C, C++
- **Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS
- **Backend & Databases:** Node.js, Express.js, Next.js API Routes, MongoDB, PostgreSQL, MySQL
- **Tools & Platforms:** Git, GitHub, VS Code, AWS, Vercel, Render
- **Core Concepts:** Data Structures & Algorithms (DSA), OOP, Database Management Systems (DBMS), REST APIs, RBAC Security, Machine Learning, NLP, Software Engineering Lifecycle

ACADEMIC & PERSONAL PROJECTS

- **PeriodTracker – Cycle Tracking & Health Analytics** (Next.js, TypeScript, Tailwind CSS, MongoDB, Recharts, NextAuth, Capacitor)
 - **Health Analytics:** Built a privacy-focused cycle tracking platform with Recharts to visualize biological logs into trends and insights.
 - **Secure Authentication:** Implemented NextAuth for session persistence and protected user metrics with encrypted storage.
 - **Mobile Deployment:** Integrated Capacitor to package the web app into a native Android application for wider accessibility.
 - **Serverless APIs:** Designed Next.js API Routes for secure, high-throughput log aggregation directly connected to MongoDB.
- **Multithreaded Chat Application** (Java, JavaFX, PostgreSQL, Socket Programming)
 - **Concurrent Communication:** Developed a multithreaded client-server chat system supporting multiple simultaneous users over TCP sockets.
 - **Data Security:** Implemented PBKDF2 password hashing and AES-GCM-256 encryption for secure authentication and messaging.
 - **Database Integration:** Utilized PostgreSQL for persistent user data storage and message history tracking.
 - **UI Design:** Built an interactive JavaFX interface for real-time chat and user management.
- **ReviewLens AI – Customer Review Analysis Platform** (Next.js, TypeScript, Tailwind CSS, MongoDB, Google Gemini API, Recharts, Vercel)
 - **Sentiment Analysis:** Implemented NLP-based classification of customer reviews into Positive, Neutral, and Negative categories.
 - **Category Detection:** Automated feedback tagging for Food, Cleanliness, Location, Host, Value, and Experience.
 - **AI Integration:** Leveraged Google Gemini API to generate professional response suggestions for owners.

- **Dashboard Analytics:** Designed summary cards and Recharts visualizations for review trends and statistics.
- **Scalable Deployment:** Deployed the platform on Vercel with optimized API routes and MongoDB Atlas storage.

CERTIFICATIONS

- NPTEL – Programming in C++ and C
- AWS Cloud CLI Essentials
- Oracle AI Database Certified Foundations Associate
- Google AI for Data Analysis
- Introduction to Cybersecurity By Cisco

KEY ACHIEVEMENTS

- Successfully developed and deployed personal full-stack applications including Period Tracker and ReviewLens AI, showcasing expertise in Next.js, TypeScript, MongoDB, and API integration.
- Led a team in building a Multithreaded Chat Application, coordinating development tasks, implementing secure authentication, and ensuring delivery of a production-ready system.
- Applied professional software engineering practices including Git source control, RESTful API design, and schema modeling for both SQL and NoSQL databases.
- Served as an active IEEE member in the Designing Team, managing poster design workflows and guiding the design team for technical events.
- Integrated external AI APIs (Google Gemini) and deployed scalable applications on cloud platforms (Vercel, AWS), demonstrating adaptability in modern development workflows.
- Solved 200+ data structure and algorithm problems on LeetCode, strengthening system design and problem-solving skills.

SOFT SKILLS

- **Leadership:** Guided project teams and IEEE design team, ensuring collaboration and timely delivery.
- **Communication:** Presented technical solutions clearly to peers and faculty, bridging design and development teams.
- **Problem-Solving:** Tackled complex coding challenges and optimized system workflows under tight deadlines.
- **Collaboration:** Worked effectively in team-based projects, applying Agile practices for smooth coordination.
- **Adaptability:** Quickly learned new frameworks and tools (Next.js, Capacitor, Gemini API) to deliver production-ready solutions.