

# Suhas Krishnakumar Gosal

Karnataka, India

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## EDUCATION

**KLE Institute of Technology**

Bachelor of Engineering in Computer Science, CGPA: 7.38

Sep 2023 – June 2027

Karnataka, India

## RELEVANT COURSEWORK

- Data Structures
- Object-Oriented Programming
- Computer Networks
- CS50: Introduction to CS
- Database Management System
- Operating Systems

## PROJECTS

**Campus Bus Assistant** | *React, TypeScript, Supabase, Maps API, Tailwind*

[Website](#)

- Built a multi-role transport platform with role-based access for Students, Drivers, Coordinators, and Admins.
- Implemented real-time bus tracking using Supabase and Google Maps API.
- Developed workflows for route management, complaints, voting-based requests, and emergency alerts.
- Integrated Telegram Bot API for instant emergency notifications.

**MailCraft - AI Email Assistant** | *React, TypeScript, Supabase, Gemini, Tailwind*

[Website](#)

- Built an AI email assistant generating multi-tone drafts, reducing manual effort by ~60%.
- Integrated Google Gemini for text generation and tone analysis.
- Implemented efficient state management using React hooks and TanStack React Query.
- Developed responsive UI with Tailwind CSS and Gmail-integrated workflows.

**Groundwater Potential Prediction System** | *React, TypeScript, Flask, Python, Leaflet, Chart.js*

- Built a full-stack GIS system for groundwater prediction using React and Flask.
- Implemented prediction pipeline using environmental features and weather data.
- Developed REST APIs for real-time predictions and analytics.
- Designed interactive map interface with Leaflet for visualization.

**Data Visualization in Healthcare** | *Python, scikit-learn, Tkinter, Plotly*

- Built an interactive healthcare analytics tool with dashboards (heatmaps, KDE, 3D scatter) using Plotly.
- Implemented Random Forest model for risk prediction with evaluation metrics (precision, recall, F1).

## TECHNICAL SKILLS

**Languages:** C++, Python, TypeScript, JavaScript

**Frameworks/Libraries:** Next.js, React, Node.js, Express.js, Tailwind CSS

**Databases/Services:** PostgreSQL, Firebase, Supabase

**Developer Tools:** Git, GitHub, Vercel

## CERTIFICATIONS

**Mastering Data Structures & Algorithms using C and C++** | *Udemy (Abdul Bari)*

July 2024

**Samsung C and Python Programming Course** | *Samsung Innovation Campus*

Feb 2025

**Samsung Internet of Things Course** | *Samsung Innovation Campus*

Feb 2026