

# GOPIKA GOPAKUMAR

Frontend Developer

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Portfolio: <https://portfolio-nine-ecru-44.vercel.app/>

GitHub: <https://github.com/gopikacreate>

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## Technical Skills

**Languages:** JavaScript (ES6+), Python, SQL, HTML5, CSS3

**Frameworks/Libraries:** React.js, Node.js, Express.js, Material-UI, Next.js

**Database:** PostgreSQL, Firebase

**Tools:** Git, GitHub, Arduino

**Practices:** Responsive Design, REST APIs

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## Professional Experience

### Embedded Developer Intern

*iOrbit Digital Technologies – Trivandrum, India*

*May 2025 – Present*

- Programmed embedded systems for healthcare applications using C.
- Integrated sensor-based modules using SPI, UART, and I2C.
- Supported hardware-software interface testing for IoT devices.

### Software Developer

*Xminds Infotech Pvt Ltd – Trivandrum, India*

*Jul 2022 – Jul 2024*

- Developed responsive, interactive interfaces using React.js and Material-UI.
  - Integrated REST APIs for dynamic data-driven features.
  - Created data visualisation components, reducing manual data analysis time by 30%.
  - Collaborated in Agile teams, contributing to code reviews and sprint planning.
  - Delivered high-quality features under tight deadlines.
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## Projects

**Datafree Portal** – React.js, Material-UI, REST APIs, AWS Cognito

Built a secure dashboard for 500+ users. Integrated authentication and live data updates.

**Tusk** – React.js, Firebase

Competitive productivity app allowing real-time task duels and daily score tracking.

### **Simply Scribbled** – Next.js, Firebase

Personal blogging platform with admin-only CMS, real-time updates, and secure content handling.

### **Smart Irrigation System** – Arduino

IoT prototype for automated watering based on real-time soil moisture levels.

### **Diabetic Retinopathy Detection** – Python, TensorFlow

Compared pre-trained CNNs for medical image classification; evaluated using accuracy/recall.

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## **Education**

### **B.Tech – Information Technology**

LBS Institute of Technology for Women – Trivandrum, India  
2018 – 2022

Relevant coursework: Web Development, Data Structures, DBMS, OOPs

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## **Certifications & Internships**

- The Complete Web Development Bootcamp – Dr. Angela Yu (Udemy)
  - Internship – Keltron: IoT & Sensor Interfacing
  - Internship – APJAKTU: Hardware & Networking Fundamentals
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