

DHANIK G K

+91 9113553201 | dhanikgk@gmail.com | linkedin.com/in/dhanik-g-k | github.com/dhanikgk | Bengaluru, Karnataka

EDUCATION

BNM Institute of Technology, Bengaluru

Sep 2024 – May 2028

B.E. in Computer Science & Engineering (Autonomous) – CGPA: 8.95/10

ICS Mahesh PU College, Bengaluru

2022 – 2024

Pre-University (PCMC) – 91.16%

Don Bosco High School, Bengaluru

2019 – 2022

ICSE (SSLC) – 94.8%

TECHNICAL SKILLS

Programming: C++, Java, Python, JavaScript

Frontend: HTML, CSS, Tailwind CSS, React.js

Backend: Node.js, Flask, FastAPI, Streamlit, REST APIs

AI/ML: TensorFlow, PyTorch, OpenCV, MediaPipe, Hugging Face, Scikit-learn, NumPy, Pandas, Matplotlib, Ollama

Databases: MySQL, MongoDB, Firebase

IoT: Raspberry Pi, ESP32, Arduino, Embedded Systems, Sensor Integration

Developer Tools: Git, GitHub, Linux, VS Code, Arduino IDE, Figma, Google Cloud, Vercel

Core CS: DSA, OOP, DBMS, Operating Systems, Computer Networks, Software Engineering

PROJECTS

ForgetMeNot++ IoT Edition | *Raspberry Pi, ESP32, AI, Python*

2025

- Architected an AI-powered cognitive assistance platform integrating Raspberry Pi, ESP32, GPS/GSM, sensors, and emergency workflows for elderly memory care
- Developed core software modules for memory management, caregiver assistance, IoT communication, and emergency notifications
- Shortlisted for Smart India Hackathon (Hardware Edition)

Quantum Fingerprint Intrusion Detection | *Full Stack, Security*

2026

- Developed attacker, user, and administrator portals with centralized monitoring and intrusion analytics
- Contributed to backend architecture and security workflow implementation
- Shortlisted among Top 25 teams out of 1400+ in the Unisys National Hackathon

LifeLane | *Raspberry Pi, IoT, GPS*

2026 (Ongoing)

- Building an intelligent ambulance traffic management system with automated traffic signal control
- Implemented GPS-based route optimization and smart green corridor concepts
- Shortlisted among Top 100 teams out of 600+ in the Manthan Business Hackathon

PoseAI | *OpenCV, MediaPipe, Python*

2026

- Built an AI-powered pose recommendation system with real-time posture guidance
- Integrated automatic image capture based on pose accuracy and event-specific recommendations

Real-Time Disaster Management | *Flask, APIs, Maps*

2025

- Developed a disaster verification platform using News APIs, geolocation, and community reporting
- Implemented real-time disaster visualization to reduce misinformation

Additional Projects

2024

- Hostel Management App • IntelliGST • UiPath AI Summary Bot • Robotics Projects (Line Follower, Maze Solver, RC Car)

ACHIEVEMENTS & AWARDS

- Top 25 Finalist – Unisys National Hackathon (1400+ teams)
- Top 100 Finalist – Manthan Business Hackathon (600+ teams)(Ongoing)
- Smart India Hackathon 2025 – ForgetMeNot++ Hardware Project Shortlisted
- 1st Place – ForgetMeNot++ Software Hackathon (2025)
- 2nd Place – Prod-a-thon College Competition (2024)
- District & State Level Winner – Sketching & Watercolor Competitions

CERTIFICATIONS

- Cisco Cybersecurity (Completed) • Harvard CS50 AI (In Progress) • Apna College DSA (In Progress)

EXTRACURRICULAR ACTIVITIES

- Fine Arts:** District & State Level Winner in Sketching & Watercolor Painting Competitions
- Sports:** Badminton, Chess, Football & Cricket