

UBENDIRAN GOPALAKRISHNAN

Full Stack Developer · UI/UX Enthusiast · Software Engineer

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PROFESSIONAL SUMMARY

Results-driven B.Tech IT undergraduate (CGPA 8.33/10) with hands-on experience in full-stack development, RESTful API design, and database engineering. Skilled at building high-performance, responsive React.js, Flask, and Django web applications with a strong eye for clean UI/UX and maintainable code. Thrives in Agile, cross-functional teams, translating requirements into scalable technical solutions. Actively seeking a Software Developer or Full Stack Internship role to contribute to real-world products while continuing to grow as an engineer.

TECHNICAL SKILLS

Languages	Python, JavaScript (ES6+), C, Java (Basics), SQL
Frontend	React.js, HTML5, CSS3, Tailwind CSS, Responsive Design, Angular (Learning)
Backend	Flask, Django, REST API, GraphQL, Node.js (Basics)
Databases	SQL, PL/SQL, SQLite — query optimization, joins, indexing, schema design
Tools & Platforms	Git, GitHub, VS Code, Figma, Flutter, Linux CLI, Postman, Web Scraping, Agile/Scrum
Concepts	UI/UX Principles, DSA, OOP, MVC Architecture, Cryptography Basics

EDUCATION

B.Tech in Information Technology — Sri Manakula Vinayagar Engineering College, Puducherry (2022 – 2026)

CGPA: 8.33 / 10 | Relevant Coursework: Data Structures, DBMS, Operating Systems, Computer Networks, Software Engineering

Higher Secondary Certificate (HSC) — Achariya Siksha Mandir, Villanur, Puducherry (2020 – 2021)

Score: 68%

INTERNSHIP EXPERIENCE

Web Development Intern — Qtech Industry (Jul 2025 – Oct 2025)

- Built responsive, cross-browser UIs with React.js, HTML5, and CSS3; optimized component architecture and reduced rendering overhead for faster load times.
- Designed and integrated RESTful APIs connecting React dashboards to Flask/Django backends, and managed SQL/SQLite databases — optimizing queries, schemas, and data integrity across production modules.
- Collaborated in Agile sprints, participated in daily stand-ups, and conducted code reviews to enforce clean-code standards and boost team maintainability.

Linux Operations Intern — Anna University (Feb 2025)

- Practised Linux architecture, shell scripting, user/permission management, and CLI-based system monitoring and configuration.

PROJECTS

Mathematical Expression Solver using AI | Python · NLP · SymPy

- Engineered a Python application using SymPy and NLP to parse and solve arithmetic, algebraic, and trigonometric expressions from natural language input.
- Built step-by-step solution explanations to improve educational usability; validated accuracy across complex edge cases and ambiguous expressions.

Post-Quantum Encrypted Voice Communication System | Cryptography · Security · AI

- Architected a secure voice communication platform using CRYSTALS-Kyber/Dilithium post-quantum algorithms to resist future quantum-computing threats.
- Designed voice metadata obfuscation pipelines to counter AI-driven voice cloning, speaker recognition, and identity profiling attacks.

Personal Portfolio Website | React.js · Tailwind CSS · Figma

- Designed and developed a fully responsive personal portfolio (ube715.github.io/ube-port) using React.js, Tailwind CSS, and Figma-based UI/UX best practices to deliver a clean, recruiter-friendly browsing experience.

CERTIFICATIONS

- Python Programming Fundamentals
- Responsive Web Design — freeCodeCamp
- UI/UX Design Principles
- Intro to SQL & Relational Databases
- Linux Command Line Basics — Anna Univ.

KEY STRENGTHS

- Problem Solving: Structures complex challenges into clear solutions.
- Continuous Learning: Tracks new frameworks, tools, and trends.
- Team Collaboration: Thrives in Agile, cross-functional teams.
- Communication: Explains technical concepts to any audience.
- Adaptability: Quick to learn new tools and workflows.