

# Kubin Samuvel S

63741 43168 — kubinsamuvel@gmail.com — kubin-samuvel — KubinSamuvel — Portfolio

**Profile** — Python Full Stack Developer with hands-on experience in building web applications using Python, Django, HTML, CSS, JavaScript, and SQL. Experienced in developing real-time features and IoT-based projects, with a strong focus on clean code, scalability, and responsive user interfaces.

## Skills

- **Programming:** Python (Core, OOP)
- **Web Development:** Django, HTML, CSS, JavaScript, Bootstrap
- **APIs & Realtime:** Django REST Framework, WebSockets, Django Channels
- **Databases:** PostgreSQL, SQLite
- **Tools:** Git, VS Code, Docker
- **IoT:** ESP32, C Programming, Sensors

## Professional Experience

### Pyspider

*Software Developer Intern*

Jan 2025 – Jan 2026

Bengaluru, Karnataka

- Learned and applied Python and Django to build backend functionalities
- Developed and tested basic web application modules
- Worked on real-time features and improved understanding of backend workflows
- Collaborated with mentors to understand project requirements and implementation

## Projects

### Smart Expense Tracker

*Technologies: Django, Django REST Framework, React.js, JWT, PostgreSQL, HTML, CSS, JavaScript*

Full-Stack Web Application

- Developed a full-stack expense management system to track, categorize, and analyze personal finances
- Implemented secure JWT-based authentication ensuring user-specific access to financial data
- Designed RESTful APIs to handle expenses, categories, budgets, and analytics efficiently
- Built smart budgeting logic to compare expenses against monthly limits and trigger overspending alerts
- Created interactive dashboards with category-wise and month-wise expense insights for better decision-making
- Focused on scalable architecture, clean API design, and real-world financial workflows

### Real-Time Chat Application

*Technologies: Django, WebSockets (Socket.IO), HTML, CSS, JavaScript, Bootstrap*

Web Development

- Built a real-time chat application supporting instant messaging between multiple users
- Integrated WebSockets (Socket.IO) to enable bidirectional, low-latency communication
- Implemented user authentication and session management for secure chat access
- Designed responsive chat rooms allowing users to join, send, and receive messages in real time
- Developed a dynamic, mobile-responsive UI using Bootstrap for seamless user experience

### ATS Resume Checker

*Technologies: Python, Django, HTML, CSS, JavaScript, NLP*

Web Application

- Developed a web-based ATS Resume Checker to analyze resumes against job descriptions
- Implemented keyword matching and scoring logic to evaluate ATS compatibility
- Parsed resume content to identify missing skills and role-specific gaps
- Generated actionable feedback to improve resume relevance and shortlisting chances
- Designed a clean, user-friendly interface for resume upload and analysis

### Water and Air Quality Monitoring System

*Technologies: ESP32, C Programming, pH Sensor, Temperature Sensor, Turbidity Sensor, CO<sub>2</sub> Sensor*

IoT Project

- Developed a real-time IoT-based system to monitor water and air quality parameters
- Integrated multiple environmental sensors with ESP32 for continuous data acquisition
- Programmed ESP32 in C to process sensor data and display real-time readings
- Achieved 89% accuracy in water quality detection through sensor calibration and testing
- Designed efficient system architecture for reliable data processing and local visualization

## Education

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**Hindusthan Institute of Technology**  
*Bachelor of Technology in Information Technology*  
CGPA: 7.52/10

**2021 – 2025**  
*Coimbatore, Tamil Nadu*

**National Vidyalaya CBSE School**  
*HSC - Computer Science*  
Percentage: 87.6%

**2020 – 2021**  
*Kumbakonam, Tamil Nadu*

### Certifications

- Python - Basic (Hackerrank)
- Ecommerce Website with HTML & CSS (Great Learning)
- OOPS in Python (Great Learning)