Kubin Samuvel S

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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 Scraping**: BeautifulSoup, Requests
- **Tools**: Git, VS Code
- **Technologies**: Django, Django Channels, WebSockets, HTML, CSS, JavaScript, Bootstrap
- **IoT**: ESP32, C Programming, Sensors

Professional Experience

Pyspider   **Jan 2025 – Jan 2026**
Software Developer Intern   *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   **Full-Stack Web Application**
Technologies: Django, Django REST Framework, React.js, JWT, PostgreSQL, HTML, CSS, JavaScript
- 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   **Web Development**
Technologies: Django, WebSockets (Socket.IO), HTML, CSS, JavaScript, Bootstrap
- 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

Water and Air Quality Monitoring System   **IoT Project**
Technologies: ESP32, C Programming, pH Sensor, Temperature Sensor, Turbidity Sensor, CO_2 Sensor
- 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

Hindusthan Institute of Technology   **2021 – 2025**
Bachelor of Technology in Information Technology   *Coimbatore, Tamil Nadu*
CGPA: 7.52/10

National Vidyalaya CBSE School   **2020 – 2021**
HSC - Computer Science   *Kumbakonam, Tamil Nadu*
Percentage: 87.6%

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