

# Sethu Manikkam

Chennai, TN, India

❖ +91 8754596866 ❖ sethumanikkams@gmail.com ❖ [linkedin.com/in/sethumanikkam/](https://www.linkedin.com/in/sethumanikkam/) ❖ [github.com/weeknd](https://github.com/weeknd)

## PROJECTS

---

**Note Taking app** | Python, Django, Mysql, JavaScript, HTML, CSS, Bootstrap, | [Link](#)

- User login and authentication is implemented using Django Authentication System to secure user notes.
- Implemented adding, updating and deleting of individual notes **MySql** database using Django's **ORM**.
- Used LocalStorage to save the preference to toggle from Light Mode to Dark mode.
- Used Bootstrap to remodeled Buttons, Navbar, CardDecks.

**A CRM App** | Python, **Django**, MySql, HTML5, CSS3, Bootstrap | [Link](#)

- Designed and developed a **CRM** application which stores customer details..
- Delivered user authentication and authorization for secure access to sensitive client information.
- Utilized Django's admin interface for easy management of customer data and interactions.

**FastAPI Authentication** | Python, **FastAPI**, Tortoise ORM, OAuth2, JWT, **RestAPI** | [Link](#)

- User email id and password verification using **OAuth2** Password bearer
- Data validation using Pydantic and **JWT** token is used to authenticate already logged in user
- Password Hashing is implemented using Passlib library and stored securely

## WORK EXPERIENCE

---

**Denivik Technologies**

**Feb 2021 – June 2021**

Project Intern

Chennai, TN

- Developed and deployed a **IoT** system using Python Flask framework to provide users with data retrieved from a MongoDB database
- Designed and incorporated a Flask API to retrieve data from sensors connected to an STM32 Lora module via a Lora gateway
- Deployed the **Flask API** on an **AWS** EC2 instance, leveraging knowledge of AWS infrastructure, Linux, and command-line tools
- Utilized strong skills in Python, Flask, **MongoDB**, Lora gateway technologies, and AWS to deliver high-quality code and solutions

## SKILLS

---

- **Languages:** Python, Javascript, Java, Html5, CSS3
- **Frameworks:** Flask, Django, FastAPI, Bootstrap, SQLAlchemy, Pytest, Pydantic, Docker
- **Skills:** Git/Github, Linux/Unix, AWS IAM, EC2, VPC, S3
- **Database:** MySql, Postgres, MongoDB

## EDUCATION

---

**BS Abdur Rahman Crescent Institute of Science and Technology**

**June, 2021**

B.Tech, Electronics and Communication Engineering

Chennai, TN

- Relevant coursework: Computer Programming, Computer Architecture, Advanced Computer Architecture, Cybersecurity, Computer Networks
- Implementation of Facemask detection of people entering workspace using Keras/Tensor Flow library