Model Idea for Interns:

CSR Initiative Overview:

As part of our commitment to Corporate Social Responsibility (CSR), RunVerve is launching the Adopt a Tree initiative to address the common issue associated with general tree planting campaigns. Typically, individuals donate or plant a tree and tend to forget about it. Through our Adopt a Tree initiative, we aim to change this narrative. Collaborating with Farm Lyceum, individuals can adopt a tree, establishing a long-term bond that goes beyond a one-time action. By adopting a tree, they become partners in the growth of the farm community, receiving a direct percentage share in the produce delivered to their homes.

Preferred Technologies:

- Server Side: Node.js, Microservices, Postman for API testing.
- Database: Postgres, SQL query, Stored Procedures.
- Front End: Flutter/React Native/React.js.
- Analytics: Python.

Internship Tasks

UI/UX Designer Intern:

User Flow Design Task:
- Develop a visual representation of the user journey, emphasizing the CSR initiative and the long-term bond between users and the farm community.

Wireframes Task:
- Create wireframes for key screens (homepage, adoption process, user profile) considering the preferred technologies and CSR messaging.

Visual Design Task:
- Design an eco-friendly and visually appealing interface reflecting the CSR-centric theme of the Adopt a Tree initiative.

Interactive Prototypes Task:
- Build interactive prototypes showcasing the user experience, with a focus on CSR-related interactions.

Responsive Design Task:
- Ensure the design is responsive across various devices and screen sizes, aligning with CSR goals.

Feedback Collection Task:
- Propose a method for collecting user feedback on the UI/UX design, specifically focusing on CSR-related aspects.

Front-End Developer Intern:

UI Implementation Task:
- Implement the UI/UX using Flutter/React Native, or React.js, ensuring seamless CSR integration.

User Authentication Task:
- Develop secure user authentication and authorization mechanisms using the preferred technologies and emphasizing CSR data protection.

Tree Adoption Form Task:
- Create a dynamic and CSR-aligned tree adoption form for users using the chosen front-end technologies.

Interactive Dashboard Task:
- Implement an interactive dashboard allowing users to monitor their adopted tree's growth and share of produce, aligning with CSR goals.

Integration with Backend Task:

- Integrate front-end components with server-side logic, emphasizing CSR functionalities.

Backend Developer (Server-Side) Intern:

API Development Task:
- Develop RESTful APIs for user authentication, tree adoption, and data retrieval using Node.js and microservices, with CSR in mind.

User Authentication Logic Task:
- Implement logic for user registration, login, and authorization, ensuring CSR-aligned data security.

Produce Distribution Algorithm Task:
- Develop an algorithm for calculating and distributing the share of produce among users based on their adopted trees, aligning with CSR goals.

Web Server Setup Task:
- Set up a web server to host the backend application, utilizing Node.js and microservices with CSR considerations.

Database Engineer Intern:

Database Implementation Task:
- Implement the database using Postgres, incorporating SQL queries and stored procedures with CSR-related considerations.

Data Security Task:
- Implement security measures, including encryption and access control, highlighting CSR-related data protection.

Data Migration Task:
- Develop a plan for data migration considering CSR implications in case of updates or changes to the database schema.

Optimization Task:
- Optimize database queries and performance for efficient data retrieval and storage, with an emphasis on CSR-aligned efficiency.

Backup and Recovery Task:
- Implement a backup and recovery system to safeguard against data loss, emphasizing the CSR-related importance of data availability.

Data Analytics Integration Task:
- Explore options for integrating Python-based data analytics tools, providing insights into user behavior and CSR-related analytics.