Github Link: https://github.com/Linga-sravani/OCR_Project

Step 1: We need to set up the Environment and Install Required Software
Step 2: Install Required Libraries and Set Up Azure Computer Vision API
Step 3: Implement OCR Functionality
Step 4: Create and integrate Web UI (Flask)
Step 5: Run python3 app.py then we will see 'http://127.0.0.1:5000'. Click on this and we get as follows:
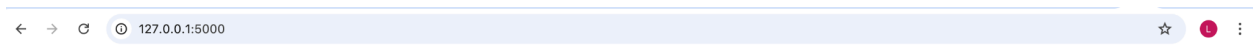
Sample input and outputs:

OCR Analytics Page
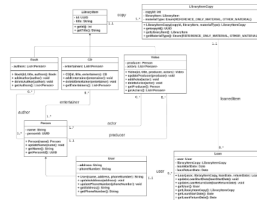
Choose File | No file chosen   OCR Analyze

Extracted Text:
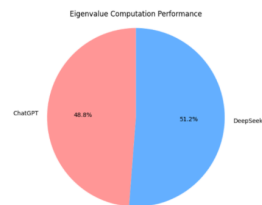
copy 1..1 Book - authors: List<Person> + Book(id, title, authors): Book + addAuthor(author): void + deleteAuthor(author): void + getAuthorsO: List<Person> 1..1 1..1 LibraryItem - id: UI.JID - title: String + getId(): int + getTitle(): String CD - entertainers: List<Person> + CD(id, title, entertainers): CD LibraryItemCopy - copyId: int - libraryItem: LibraryItem - materialType: Enum(REFERENCE ONLY MATERIAL, OTHER MATERIAL) + LibraryItemCopy(copyId, libraryItem, materialType): LibraryItemCopy + getcopyId(): UI-JID + getLibraryItem(): LibraryItem + getMaterialType(): Enum(REFERENCE ONLY MATERIAL, OTHER MATERIAL) + addEntertainer(entertainer): void + deleteEntertainer(entertainer): void + getEntertainersO: List<Person> entertainer Video - producer: Person - actors: List<Person> + Video(id, title, producer, actors): Video + updateProducer(producer): void + addActor(actor): void + deleteActor(actor): void + getProducer0: Person + getActors(): List<Person> 0..* author Person - name: String - personId: UUID + Person(name): Person + updateName(name): void + getName(): String + getPersonIdO: UI-JID actor producer User 1..1 loanedItem Loan - address: String - phoneNumber: String + User(name, address, phoneNumber): String + updateAddress(address): void + updatePhoneNumber(phoneNumber): void + getAddress(): String + getPhoneNumber(): String user - user: User - libraryItemCopy: LibraryItemCopy - loanStartDate: Date - loanReturnDate: Date + Loan(user, libraryItemCopy, loanDate, returnDate): Loan + updateLoanStartDate(loanStartDate): void + updateLoanReturnDate(loanReturnDate): void + getUser0: User + getLibraryItemCopy(): LibraryItemCopy + getLoanStartDate(): Date + getLoanReturnDate(): Date

OCR Analytics Page

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Extracted Text:

GO Ogle OCR test OFDHRJRYEOKDVBMDMXCB 1,045 x 584