UTTKARSH SRIVASTAVA
BACK-END DEVELOPER

Delhi India
Phone: +91 7042499212
Mail: uttkarsh.srivastava12@gmail.com
GitHub: github.com/uttkarsh-8
Linkedin: linkedin.com/in/uttkarsh-srivastava8

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY   **CGPA - 8.5**
Bachelor of Technology in Computer Science

PROJECTS

1) AccessXedu

- **Developed an innovative educational RAG GPT** that reads and summarizes PDF content (books and notes) from a specified directory, enhancing study efficiency.
- **Utilized OpenAI API** within a **Flask-based server** to generate embeddings for PDF content analysis, enabling users to receive summaries and interact with the material through questions.
- **Implemented a secure backend system** using **Java Spring Boot** with Maven, integrating Spring Data **JPA**, **Hibernate**, **JDBC**, and **MVC** architecture via **Thymeleaf** for dynamic web content rendering.
- **Enabled user authentication and authorization** through **Spring Security**, ensuring secure access and data protection, also implemented a **forgot password feature** using SMTP protocol with Google's email service.
- **Incorporated PostgreSQL** for reliable data management and storage, facilitating efficient information retrieval and management..

2) Blog REST API Development with Spring Boot (url=blog-app-rest-apis-env.eba-nnvxe2uq.us-east-1.elasticbeanstalk.com/swagger-ui/index.html)

- **Engineered a full-featured blog application backend** using **Spring Boot**, implementing advanced **CRUD** functionalities and Restful service patterns.
- Leveraged **AWS Elastic Beanstalk** and **IAM** for secure deployment and management of the blog application's **REST APIs**, utilizing **Amazon RDS** for the underlying database.
- Implemented secure **authentication and authorization** using **JWT** tokens and **Spring Security**, ensuring robust protection and access management.
- Employed **PostgreSQL** for efficient data storage and retrieval, facilitating complex queries and transaction management.
- Designed and **documented APIs** with **Swagger**, enhancing clarity and usability for end-users.
- Delivered features such as **API pagination, sorting, and dynamic search/filter capabilities**, optimizing performance and user experience.

SKILLS

- **Languages:** Java, JavaScript, SQL, Golang, Python
- **Frameworks:** Spring Boot, Spring Security, Spring Data JPA, Hibernate, Thymeleaf, ReactJs SCSS
- **Database Management**: PostgreSQL, JDBC, Database Design, SQL, AWS RDS, AWS Elastic Beanstalk, AWS IAM users
- **Tools And Platform**: Git, Maven, Postman, Bruno, AWS
- **Software Development Practices:** MVC architecture, RESTful API's, Microsevices