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Course: Web Technologies

Title: Advance Resume Management system

Section: N

Submitted To: Md. Khairul Alam Mazumder

Objective: The primary objective of the Advance Resume Management System (ARMS) is to create a comprehensive web-based platform that simplifies resume and CV creation, management, and recruitment processes for candidates, HR managers, and administrators. By providing uniform, professional resume templates and automated parsing tools, the system addresses the challenges faced by students and job seekers in designing effective resumes. It enables secure user registration, profile building with detailed personal and professional information, job circular creation, one-click applications, and admin oversight, all while ensuring data privacy and scalability.

Key goals include:

- Streamlining resume design for public university students who lack access to premium tools.
- Facilitating efficient matching between candidates and job opportunities through searchable profiles and notifications.
- Supporting multi-user roles (Admin, Candidate, HR Manager) with role-based access control.
- Integrating features like resume/CV upload, viewing, and uniform template generation to reduce design inconsistencies.

Feature:

1. **User Registration and Authentication:** Candidates and HR Managers register with user_id, name, phone_number, email_address, and password. Secure login required for all actions.

2. **Candidate Profile Management:** Build detailed profiles including photo, additional_phone_number, course_curriculum, result, present_address, permanent_address, father's_name/occupation, mother's_name/occupation, about_me, educational_institutions (with exams, group, result), job_experiences, project_developed (title, details, link), skills, external links (e-portfolio, GitHub, Facebook, LinkedIn), and document uploads (marksheets, custom resume/CV).
3. **Uniform Resume/CV Builder and Viewer:** Pre-built uniform templates for easy design; auto-generate and view resumes/CVs in professional formats.
4. **HR Manager Profile and Job Circulars:** Similar profile fields plus company_logo, company_title, description. Create job circulars with job_title, description, closing_date, salary_offered, location, contact.
5. **Application and Matching:** Candidates drop one-click requests on circulars. HR Managers view only dropped profiles and send accept/reject notifications.
6. **Admin Controls:** View/delete any user profiles or circulars; send system-wide notifications.

System Architecture:

Frontend: HTML, CSS, JAVA SCRIPT

Form-Validation: JAVA SCRIPT, PHP

Backend: PHP

Server-Environment: Xampp

Query Language: My sql for xampp

Logic: JAVA SCRIPT and PHP

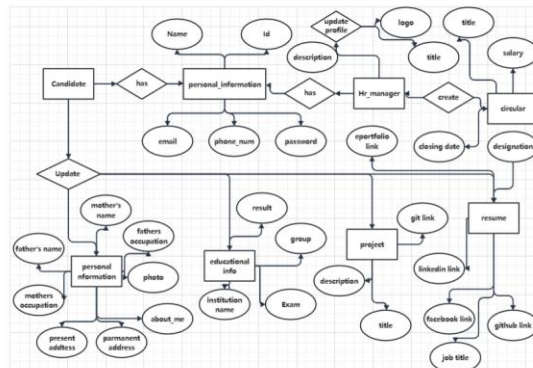
Use Case: There are 3 users. Admin, candidate, hr_manager. Candidate and hr_manager can register and login. Candidate is identified with user_id, name, phone_number, email_address. To log in password is

a must. Candidates need to share personal information like photo, additional phone_number, course_curriculum, result, present_address, permanent_address, father's_name, occupation, mother's_name, occupation, about_me, educational_institutions, exams, group, result, job_experiences, project_developed, details, link, title, and skills, external link of e-portfolio, GitHub, facebook, linked in, marksheet, there to prepare their profile, educational details cv view and resume view. Candidate can add their own resume and cv with their profile. Hr_manager can create profiles with the same information. Later they need to add the logo of company, company_title, description to prepare their profile. Hr_manager can create circulars and enlist them with job_title, description, closing_date, salary_offered, location, and contact. Candidate can drop request on one click. Hr_manager can view only the profiles dropped by the candidate and notify them with accepted or rejected notification. Admin can view any_users profile, delete user, delete circular, and notify users with notification.

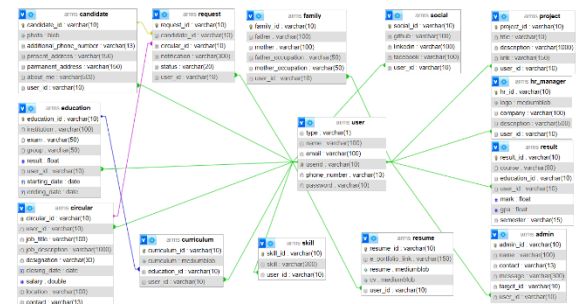
Sample Table Design

Table Name	Attributes	Relation With
User	type, email, name, user_id, phone_number, password	_____
Candidate	candidate_id, photo, additional_phone_number, present_address, permanent_address, about_me, user_id	User_id
education	education_id, institution, exam, group, result, user_id, starting_date, ending_date	User_id
Resume	eportfolio_link, resume, cv, user_id, resume_id	User_id
Result	result_id, course, education_id, user_id, mark, gpa, semester	Education_id, user_id
Family	family_id, father_name, father_occupation, mother_name, mother_occupation, User_id	User_id
Projects	project_id, title, description, link, user_id	User_id
social	social_id, github, linkedin, facebook, user_id	user_id
Skill	skill_id, skill_name, user_id	user_id
HRManager	hr_id, logo, company_title, company_description, user_id	user_id
circular	circular_id, job_title, description, designation, closing_date, salary, location, contact_info, user_id	user_id
request	request_id, candidate_id, circular_id, notification_messag, user_id, status	user_id
Admin	admin_id, target_user_id, action_type, message	user_id
Curriculum	Education_id, curriculum_id, curriculum, user_id	Education_id

ER Diagram:



Database Schema:



ARMS
Sign Up Sign Up

Welcome to ARMS

Your Ultimate Academic Resume Management System.

Streamline Your Academic Journey with Ease and Efficiency.


Why Choose ARMS?


"ARMS (Academic Resume Management System) is more than just a record-keeping tool—it's a bridge between academic achievement and professional opportunity. Designed with both students and employers in mind, ARMS offers a clean, minimalist interface that transforms complex academic data into visually intuitive summaries. Unlike traditional platforms cluttered with redundant tables and graphs, ARMS presents your results, statistics, and performance metrics in a sleek, digestible format that speaks for itself."

For students, the system offers access to internships, research projects, GPA trends, and course histories—all presented in a way that's easy to see and understand immediately. Whether you're applying for internships, scholarships, or jobs, ARMS helps you showcase your achievements with clarity and confidence.

Employers benefit from streamlined candidate evaluation. Instead of sifting through transcripts, they get a concise, standardized view of academic performance, skill indicators, and relevant activities—all tailored to their recruitment needs. This reduces friction in the hiring process and ensures that talent is recognized quickly and fairly.


ARMS is the only platform that practices minimalist academic visualization without compromising depth. It's not just about data—it's about making your academic journey readable, reliable, and ready for the next world."






Collect And Showcase All Your Certificates, Course Certifications, Results, Bio-data.

ARMS acts as your personal academic vault—securely storing and organizing all your educational achievements in one place.




Easy to Share And Easy To Showcase.

Whether you're applying for a job or sharing your profile, ARMS makes it effortless to present your credentials with style and clarity.



One Click To Drop In And Easy to Apply

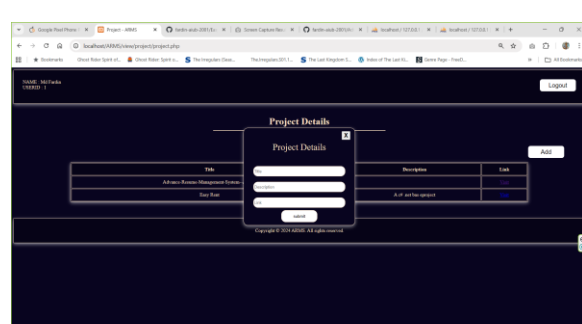
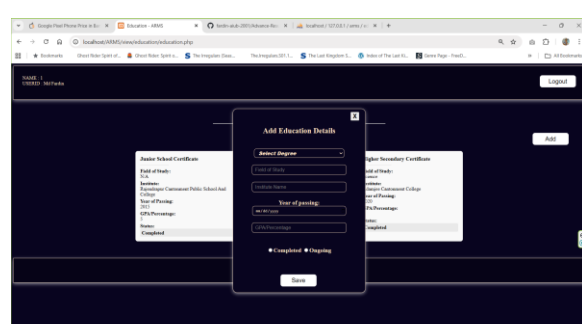
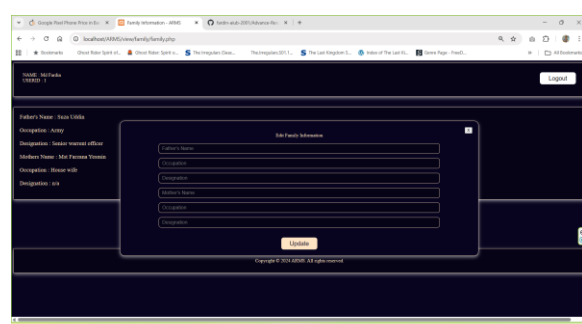
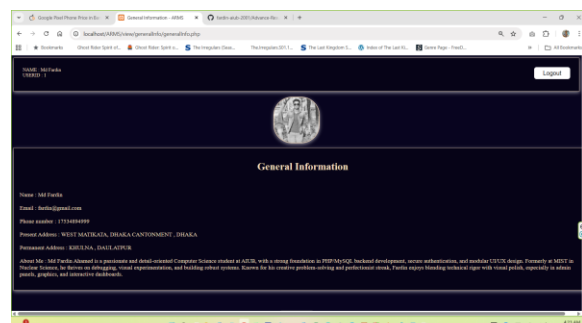
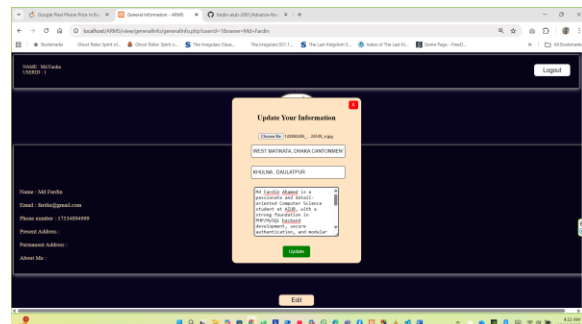
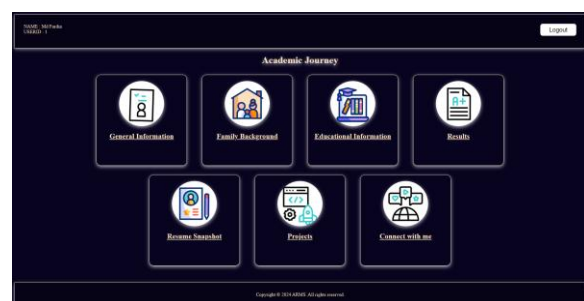
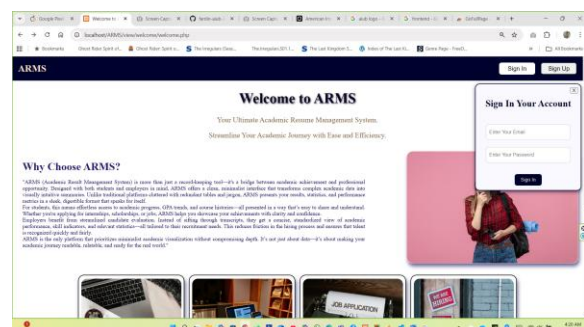
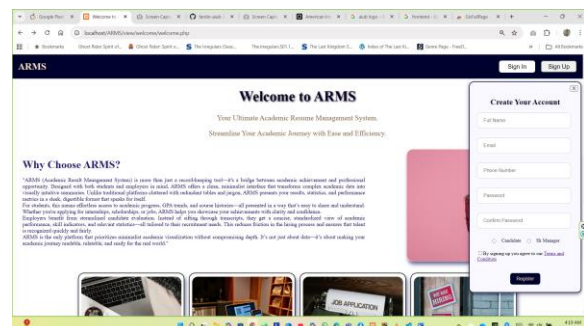
YOUR ARMS can help you to multiple job openings with just one click, saving you time and effort in your job search.

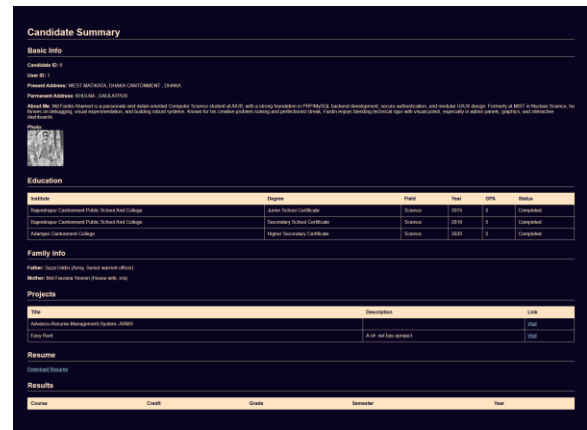
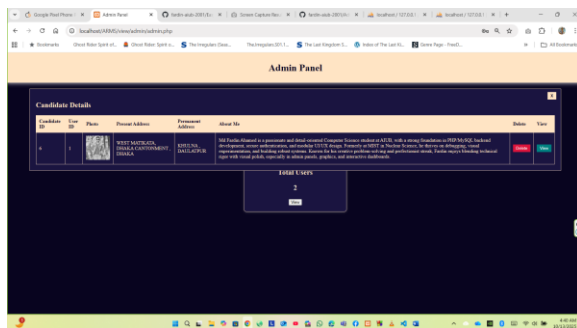
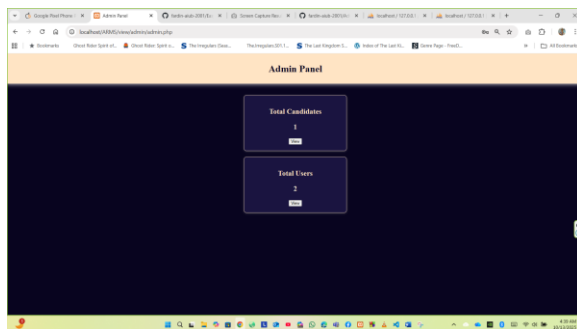
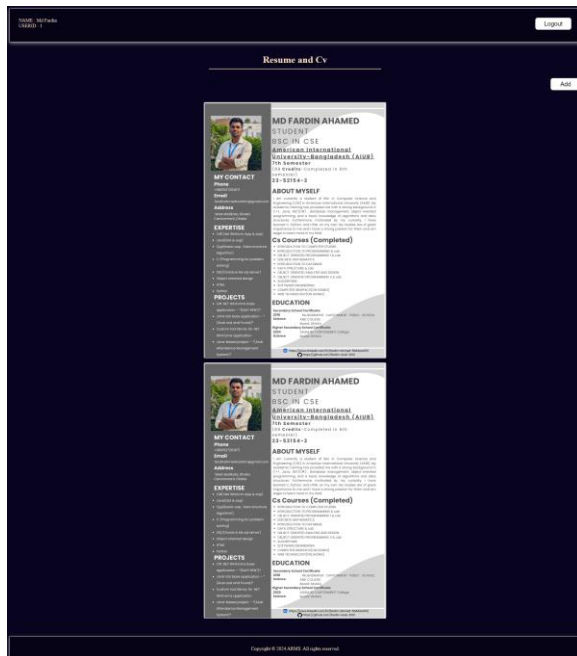


Find The Right Candidate For Your Job

ARMS helps employers find the perfect fit for their job openings by providing access to a diverse pool of qualified candidates.

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Conclusion: The Advance Resume Management System (ARMS) successfully delivers a user-centric solution for resume management, particularly addressing the design challenges faced by public university students through uniform templates and intuitive profile building. By integrating secure authentication, role-based features, and efficient matching, it enhances the recruitment ecosystem in Bangladesh. The project demonstrates proficiency in full-stack web technologies, from React.js frontend to MongoDB backend, and paves the way for real-world impact. Limitations include dependency on user-input accuracy for parsing; future work could add AI-driven content suggestions and mobile optimization.

Contribution:

23-52154-2: The popup window, Login, registration window and logic, candidate interface, admin's view button and candidate summary page. Designed the ER diagram, use case. Handles the backend logic and frontend for the candidate dashboard and developed the features that a candidate will enjoy.

23-52145-2: Organizing document in model view and controller. Designed The Welcome page, admin interface, distributed the common interface between the pages. Created the tables on XAMPP mysql server. Designed the ER diagram, use case.

Git Hub Link: <https://github.com/fardin-aiub-2001/Advance-Resume-Management-System--ARMS>