

# PLACEMENT PORTAL FOR GEC WAYANAD

## Group No: 12

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# Problem Description

- The current placement procedures heavily rely on manual efforts, leading to inefficiencies in collecting, organizing, and managing information.
- Announcing placements and gathering data involves repetitive tasks, consuming time and prone to errors.
- Moreover, placement information is scattered across multiple platforms, making it difficult for students and placement officers to access consolidated details.
- These inefficiencies underscore the need for a streamlined, technology-driven solution to enhance the placement process.

# Motivation for the Project

- Achieving placement is a challenge due to the scattered nature of available resources.
- Traditional placement procedures lack essential features like placement analysis, resume builder tools, interview experience sharing, better resources, and off-campus job opportunities.
- To improve campus placements, we need more than just basic email facilities, a more dynamic approach.
- We embarked on a mission to develop a revolutionary placement portal website that integrates all the above mentioned limitations into a single unit.

# Literature Survey

Websites	Description	Merits	Demerits
Linkedin	LinkedIn is a professional networking platform that connects individuals, businesses, and job opportunities worldwide.	<ul style="list-style-type: none"><li>• Helps to build a brand by creating a company profile and share industry updates.</li><li>• Easier communication through messaging so that people can connect easily.</li></ul>	<ul style="list-style-type: none"><li>• Advanced features require a paid subscription.</li><li>• No placement statistics as it is not specific to college or university.</li></ul>
Glassdoor	Glassdoor is an online platform where employees can anonymously review companies, share salary information, and find job listings.	<ul style="list-style-type: none"><li>• People can apply for jobs easily as they do not need to have to visit companies directly.</li><li>• People applying for job need not to create resume from separate website.</li></ul>	<ul style="list-style-type: none"><li>• Can get only job openings if the recruiter posts a job.</li><li>• Does not provide study materials or roadmap that are essential to crack a job.</li></ul>

# Literature Survey

Websites	Description	Merits	Demerits
Placement India	Placement India is an online job portal facilitating job seekers and employers to connect for recruitment needs across various industries.	<ul style="list-style-type: none"><li>●Provides wide range of job listings.</li><li>●Provides user friendly interface.</li></ul>	<ul style="list-style-type: none"><li>●No resume builder tool.</li><li>● No placement statistics as it is not specific to college or university.</li></ul>
Naukri	One of India's leading online job portals, connecting job seekers with a wide range of employment opportunities across different sectors and locations.	<ul style="list-style-type: none"><li>●Provide job recommendations and filtering of jobs.</li><li>●Helps the recruiters to find the best people from the industry.</li></ul>	<ul style="list-style-type: none"><li>●Very competitive to get a job as all of the mentioned jobs are off campus.</li><li>● The jobs are only available if the recruiter posts them.</li></ul>

# Literature Survey

Websites	Description	Merits	Demerits
Geeks For Geeks	GeeksforGeeks is a popular online platform offering comprehensive tutorials, coding challenges, and resources to help programmers enhance their skills and prepare for technical interviews.	<ul style="list-style-type: none"><li>●Provides interview preparation roadmap and interview experience.</li><li>●Free and easily accessible to everyone.</li></ul>	<ul style="list-style-type: none"><li>●Focuses mainly on study materials.</li><li>●The content of website is bulky.</li></ul>

# Problem Statement

The problem is stated as to design and develop a web application that streamlines placement procedures by tracking and analysing the placement progress, facilitating both oncampus and offcampus job opportunities, managing oncampus data, providing a resume builder, sharing interview experiences, and offering placement preparation resources.



# Functional Requirements

- REGISTER AND AUTHENTICATE USER
- BUILD RESUME
- MANAGE ONCAMPUS PLACEMENTS
- PROVIDE OFFCAMPUS PLACEMENTS
- PROVIDE ROADMAP AND RESOURCES
- SHARE ALUMNI INTERVIEW EXPERIENCE
- ANALYSE PLACEMENT STATISTICS

# Module Description

Module name	Input data	Action/Process	Output data
Authentication module	Users credentials.	-Registration and authentication of user is done.	Dashboard.
On Campus placement module	Job details and apply links, Student application data	-Collect job details and description using form by placement officer. -Store job data in database -Format job data -Collect student application details from profile and establish relation between above job data and store in database	-Formatted job details and description. -Consolidated student data.

# Module Description

Module name	Input data	Action/Process	Output data
Placement statistics module	Placed student details	<ul style="list-style-type: none"><li>-Collect placed students details using forms.</li><li>-Store student details to database.</li><li>-Fetch student details and sort according to fields</li><li>-convert the data into graph template.</li></ul>	Display the data in graph template.

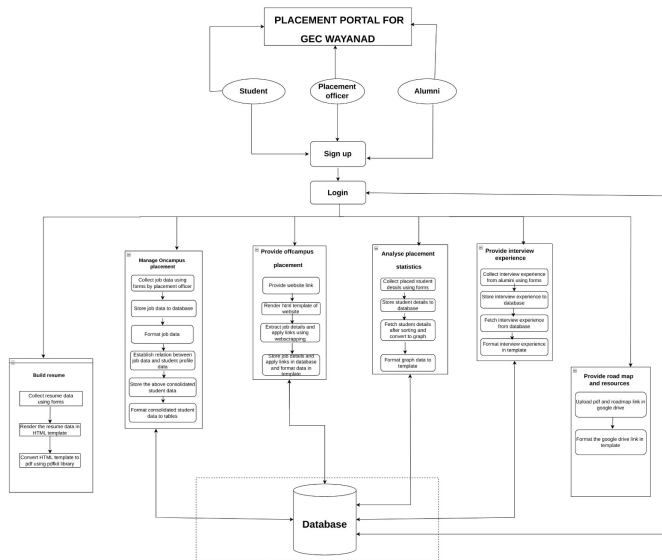
# Module Description

Resume builder module	Personalised student data for resume.	<ul style="list-style-type: none"><li>-Collect resume data using forms.</li><li>-Transfer to a standard html template.</li><li>-Convert to pdf format for downloading</li></ul>	Standardized resume in pdf format.
Interview experience module	-Alumni interview experience.	<ul style="list-style-type: none"><li>-Collect interview experience data by forms.</li><li>-Store interview experience to database.</li><li>-Fetch interview experience from database and format.</li></ul>	-Formatted interview experience.

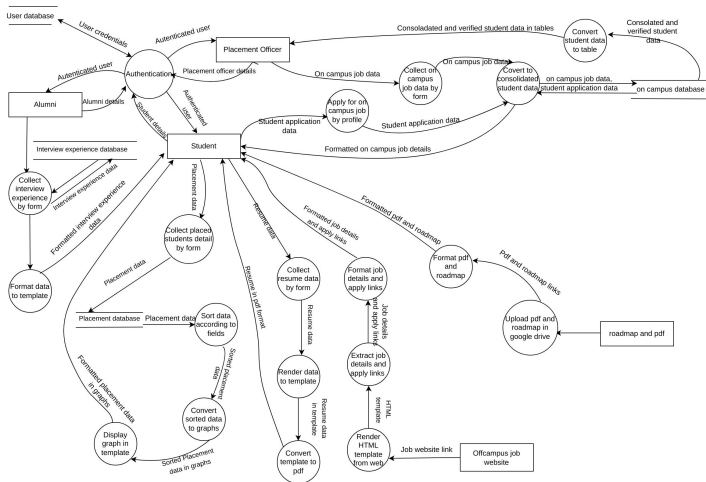
# Module Description

Off campus placement module	Off campus website link.	<ul style="list-style-type: none"><li>-Render html template for the website Placement India.</li><li>-Extract job details and apply links using web scrapping.</li><li>-Store the job details and apply links in database</li></ul>	Formatted job details and apply links.
Roadmap and resources module	-Usefull study materials required for placements.	-Materials are stored in google drive storage with public access.	-A single page consisting of all the materials for the user to view or download.

# System Architectural Diagram



# Data Flow Diagram- Level 2



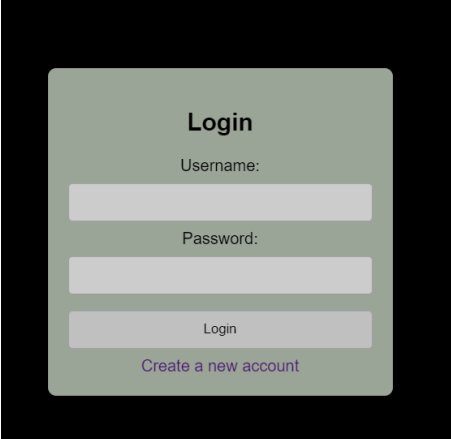
## SOFTWARE REQUIREMENTS:

- Django framework: Used for building robust and scalable web applications using the Python programming language
- SQLite: Integrated for backend services, including authentication and storing data in the database
- Python: Utilized as the primary language for developing website.
- HTML, CSS and JavaScript: For developing the front end of website.
- Visual Studio Code: Chosen as the primary integrated development environment (IDE) for website development
- BeautifulSoup: Python library used for web scrapping job data from Placement India website.
- Chart.js: JavaScript library for making HTML-based charts for data visualization for placement analysis.



## **HARDWARE REQUIREMENTS:**

- Development Machines: Standard laptops used by the development team. It should have a minimum specification of an Intel Core i3 or an equivalent AMD processor and 2GB of RAM.

A user login form with a light green background and rounded corners, centered on a black background. The form contains the title "Login", a "Username:" label with a text input field, a "Password:" label with a text input field, a "Login" button, and a "Create a new account" link.

**Login**

Username:

Password:

Login

[Create a new account](#)

Figure: User Signup



**Sign Up**

First Name:

Last Name:

Batch:

Department:

Username:

Email:

Password:

Confirm Password:

Figure: User login

# Results

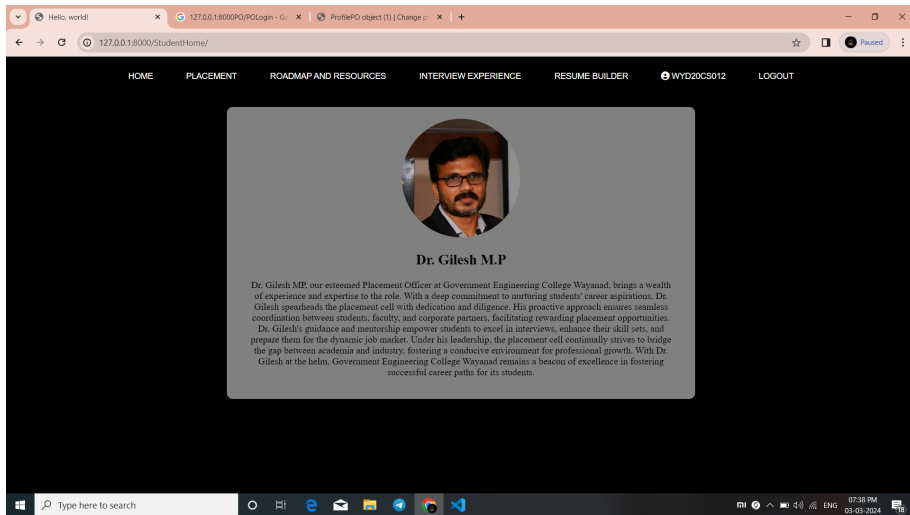


Figure: Student home page

# Results

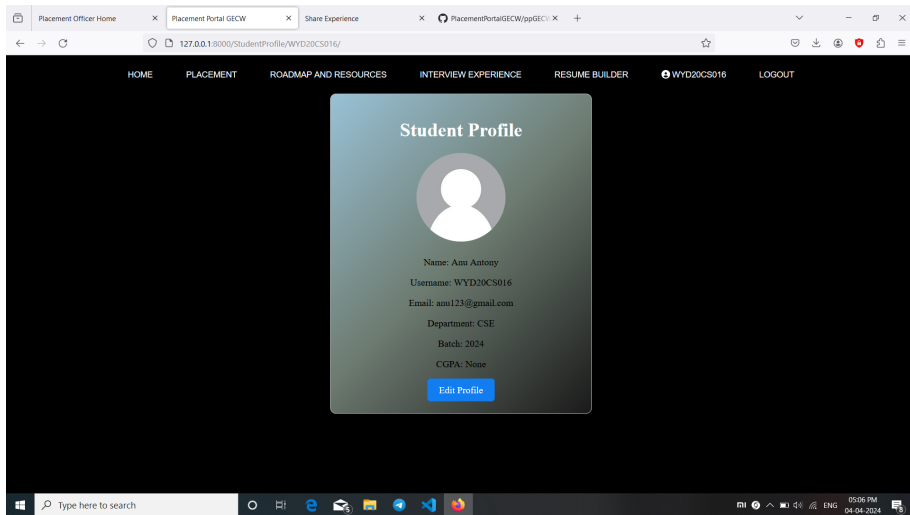


Figure: Student profile page

# Results

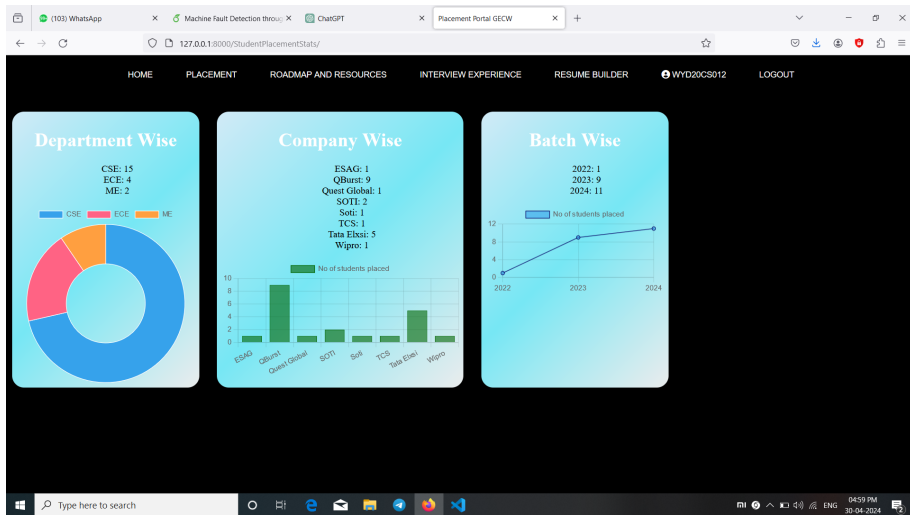


Figure: Placement statistics page

# Results

Results

Navigation: HOME, PLACEMENT, ROADMAP AND RESOURCES, INTERVIEW EXPERIENCE, RESUME BUILDER, WYD20CS012, LOGOUT

Search for roles

Role	Company Name	Experience	CTC	Location	Apply Now
Software Engineer	Esensible Technology	0 - 5 yrs	10.0 Lac/Yr	Visakhapatnam +3 Bangalore Hyderabad Road, Chennai, Greater Hyderabad	Apply Now
Embedded Systems Engineer	Saisource Solutions	0 - 1 yrs	5.0 Lac/Yr	Bangalore +1 Chennai	Apply Now
Design & Development Engineer - Nashik freshers	Career Club Consultancy and Management Services	0 - 3 yrs	3.0 Lac/Yr	Nashik	Apply Now
GAT Engineer -BE/B.Tech - Only for Nashik candidates	Career Club Consultancy and Management Services	0 - 1 yrs	1.8 Lac/Yr	Nashik	Apply Now
Business Development Specialist	Verloz	0 - 2 yrs			
Looking For software engineer	Vinayak Placement	0 - 1 yrs			
Business Development Engineer	Techbridge	0 - 3 yrs			
Looking For Embedded Engineer	Vision Mechatronics Pvt Ltd	0 - 3 yrs			

Figure: Off campus placement page

# Results

The screenshot displays a web browser window with multiple tabs. The active tab is 'Placement Portal GECW', showing a page titled 'Available On-Campus Jobs'. The page has a dark blue header with navigation links: HOME, PLACEMENT, ROADMAP AND RESOURCES, INTERVIEW EXPERIENCE, RESUME BUILDER, WYD20CS016, and LOGOUT. Below the header, three job listings are visible:

- Tata Elxsi**  
Role: Software Engineer  
CTC: 6.5 LPA  
Description: Position: Software Engineer Location: [Specify Location] Company Overview: Tata Elxsi is a g...  
[Apply](#)
- Wipro**  
Role: Associate Developer  
CTC: 4.5 LPA  
Description: Wipro, a global leader in technology services and consulting, is currently offering an exciting job...  
[Apply](#)
- Wipro**  
Role: SIDE 1  
CTC: 3.4 LPA  
Description: The job role at Wipro entails collaborating with cross-functional teams to design, develop, and imp...  
[Apply](#)

The browser's address bar shows the URL '127.0.0.1:8000/StudentOnCampus/'. The Windows taskbar at the bottom includes a search bar, task view icon, and several application icons (Edge, Mail, File Explorer, Teams, etc.). The system clock indicates 05:06 PM on 04-04-2024.

Figure: On campus placement page



# Results

**RESUME FORM**

**Name:**  
Your Name

**Email:**  
your.email@example.com

**Linked in:**  
your linkedin profile

**Phone:**  
1234567890

**Summary:**  
Briefly describe your professional background and career objectives

**Degree:**  
Bachelor of Science in Computer Science

**University:**

Figure: Resume builder page

# Results

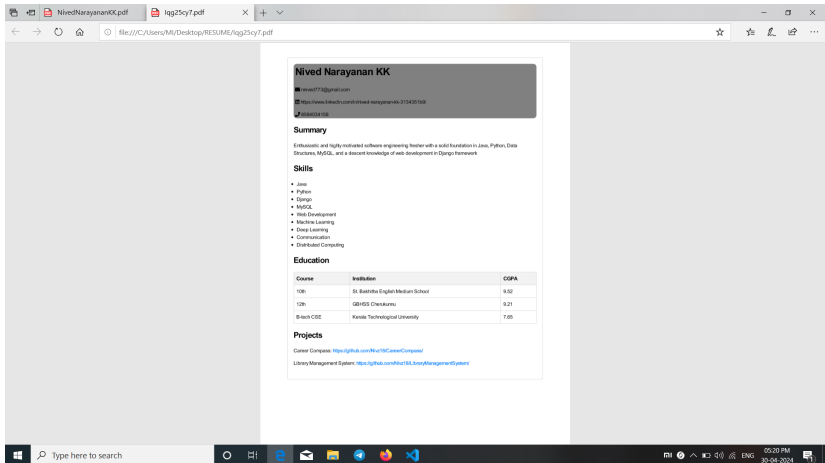


Figure: Resume in pdf

# Results

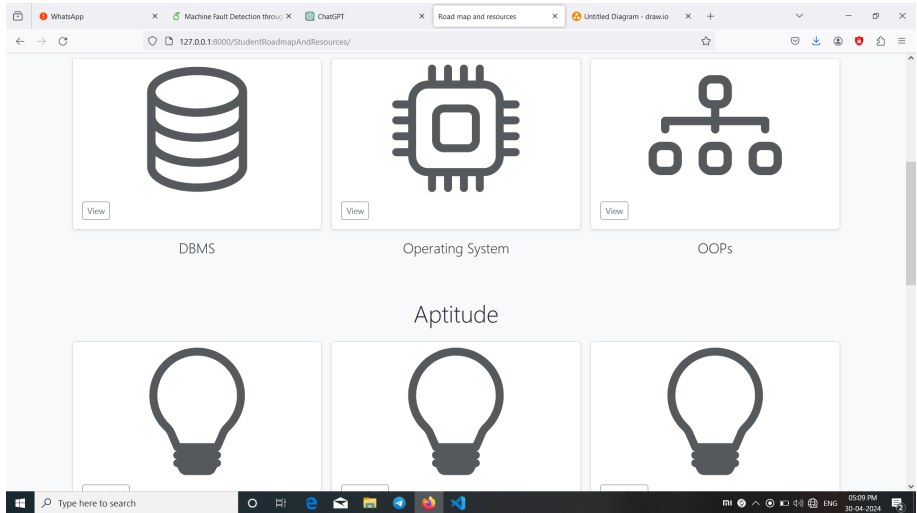


Figure: Roadmap and resources

# Results

The screenshot shows a web browser window with multiple tabs. The active tab is 'Placement Portal GECW'. The address bar shows the URL '127.0.0.1:8000/StudentInterviewExperience/'. The website has a dark theme with a navigation bar containing links: HOME, PLACEMENT, ROADMAP AND RESOURCES, INTERVIEW EXPERIENCE, RESUME BUILDER, WYD20CS016, and LOGOUT. The main content area displays the following information:

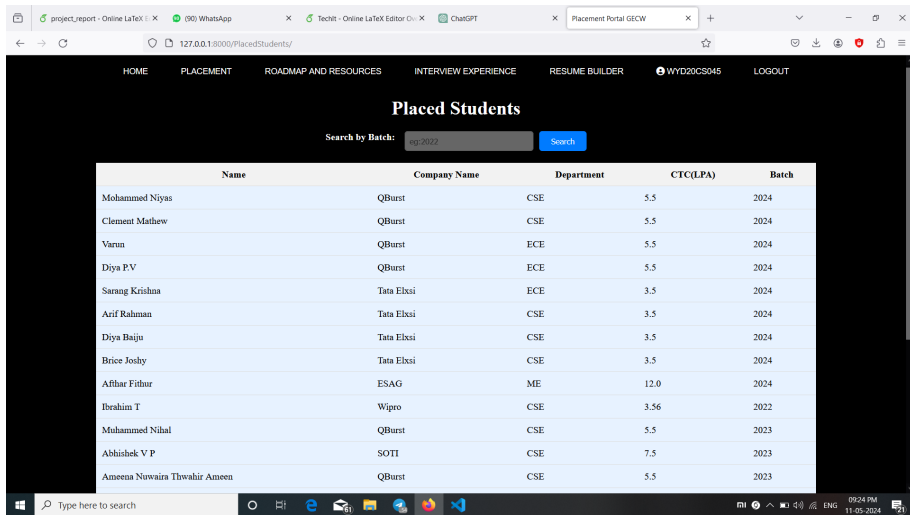
**Name:** Anu Antony  
**Batch:** 2024  
**Linkedin:** <https://www.linkedin.com/in/anuantony123>  
**Company:** TCS  
**Experience:**

A common interview experience with TCS often involves several stages, starting with an initial screening interview followed by technical and HR rounds. In the technical round, candidates are typically assessed on their problem-solving skills, programming knowledge, and understanding of fundamental concepts related to their field of expertise. Expect questions ranging from data structures and algorithms to specific technologies or frameworks relevant to the role. Additionally, behavioral questions may be asked in the HR round to gauge the candidate's communication skills, teamwork abilities, and alignment with the company's values. Throughout the process, demonstrating a clear understanding of the role, strong technical skills, and effective communication can greatly enhance one's chances of success.

The Windows taskbar at the bottom shows the search bar, task view button, and several application icons. The system tray on the right indicates the date and time as 05:29 PM on 04-04-2024.

Figure: Interview experience for student

# Results



project\_report - Online LaTeX E... (90) WhatsApp Techit - Online LaTeX Editor ChatGPT Placement Portal GECW

127.0.0.1:8000/PlacedStudents/

HOME PLACEMENT ROADMAP AND RESOURCES INTERVIEW EXPERIENCE RESUME BUILDER WYD20CS045 LOGOUT

## Placed Students

Search by Batch:

Name	Company Name	Department	CTC(LPA)	Batch
Mohammed Niyas	QBurst	CSE	5.5	2024
Clement Mathew	QBurst	CSE	5.5	2024
Varun	QBurst	ECE	5.5	2024
Diya P.V	QBurst	ECE	5.5	2024
Sarang Krishna	Tata Elxsi	ECE	3.5	2024
Arif Rahman	Tata Elxsi	CSE	3.5	2024
Diya Baiju	Tata Elxsi	CSE	3.5	2024
Brice Joshy	Tata Elxsi	CSE	3.5	2024
Afthar Fithur	ESAG	ME	12.0	2024
Ibrahim T	Wipro	CSE	3.56	2022
Muhammed Nihal	QBurst	CSE	5.5	2023
Abhishek V P	SOTI	CSE	7.5	2023
Ameena Nuwaira Thwahir Ameen	QBurst	CSE	5.5	2023

Type here to search

09:24 PM 11-05-2024

Figure: Placed Students page

# Results

project\_report - Online LaTeX E... (90) WhatsApp Techit - Online LaTeX Editor ChatGPT Add Placement

127.0.0.1:8000/StudentAddPlacement/

HOME PLACEMENT ROADMAP AND RESOURCES INTERVIEW EXPERIENCE RESUME BUILDER WYD20CS045 LOGOUT

## Add Placement

Name:

Company Name:

Department:

CTC:

Batch:

Type here to search

09:31 PM 11-05-2024

Figure: Add placement page for students

# Results

The screenshot shows a web browser window with the following details:

- Browser Tabs:** (104) WhatsApp, Machine Fault Detection throug..., Share Experience, ChatGPT.
- Address Bar:** 127.0.0.1:8000/Alumni/AlumniInterviewExperience/
- Form Title:** Share Experience
- Form Fields:**
  - Name:** [Text input field]
  - Batch:** [Text input field]
  - Linkedin:** [Text input field]
  - Company:** [Text input field]
  - Experience:** [Large text area]
- Submit Button:** A green button labeled "Submit" at the bottom of the form.

The browser's taskbar at the bottom shows the Windows logo, a search bar with "Type here to search", and several application icons (Edge, Mail, File Explorer, Teams, Firefox, VS Code). The system tray on the right indicates the time is 04:38 PM on 30-04-2024.

Figure: Interview experience by alumni

# Results

Welcome, Giles M.P

Company Name	Company Details	Delete Company	Applied Student
Tata Elxsi	<a href="#">View</a>	<a href="#">Delete</a>	<a href="#">View</a>
Wipro	<a href="#">View</a>	<a href="#">Delete</a>	<a href="#">View</a>
Soti	<a href="#">View</a>	<a href="#">Delete</a>	<a href="#">View</a>

[Add new](#)

Figure: Home page for placement officer



# Results

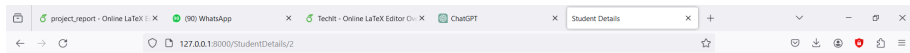
The screenshot shows a web browser window with the address bar displaying `127.0.0.1:8000/AddCompany/`. The browser tabs include 'project\_report - Online LaTeX E...', '(90) WhatsApp', 'Techit - Online LaTeX Editor O...', 'ChatGPT', and 'Add Company'. The 'Add Company' form is centered on the page and consists of a dark gray container with the following elements:

- Add Company** (Section Header)
- Company Name:** (Text label above a text input field)
- Role:** (Text label above a text input field)
- CTC:** (Text label above a text input field)
- Description:** (Text label above a large text area)
- Submit** (Green button at the bottom)

The Windows taskbar at the bottom shows the search bar with 'Type here to search', several application icons (Edge, Mail, File Explorer, Teams, Firefox, VS Code, Photos), and system tray icons including network, volume, and battery status. The system clock indicates 09:28 PM on 11-05-2024.

**Figure:** Add company page for placement officer

# Results



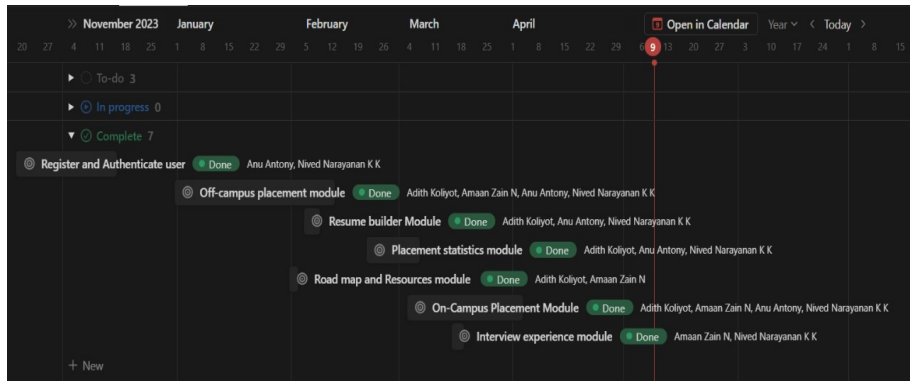
## Student Details

Reg. No	Name	Email	CGPA	Batch	Department
WYD20CS012	Amaan Zain	zainamaan123@gmail.com	7.5	2024	CSE
WYD20CS045	Nived Narayanan KK	nived_20b158es@gecwyl.ac.in	7.32	2024	CSE
WYD20CS016	Anu Antony	anu123@gmail.com	None	2024	CSE



**Figure:** On campus applied student data for placement officer.

# Work Plan



# Work Split

<div>● Done 7</div> <div>🕒 Interview experience module</div> <div>March 15, 2024 → March 18, 2024</div> <div>Amaan Zain N, Nived Narayanan K K</div>	<div>● Done 7</div> <div>🕒 Resume builder Module</div> <div>February 4, 2024 → February 8, 2024</div> <div>Adith Koliyot, Anu Antony, Nived Narayanan K K</div>	<div>🕒 Register and Authenticate user</div> <div>November 18, 2023 → December 15, 2023</div> <div>Anu Antony, Nived Narayanan K K</div>
<div>🕒 Road map and Resources module</div> <div>January 31, 2024 → February 2, 2024</div> <div>Adith Koliyot, Amaan Zain N</div>	<div>🕒 On-Campus Placement Module</div> <div>March 3, 2024 → April 3, 2024</div> <div>Adith Koliyot, Amaan Zain N, Anu Antony, Nived Narayanan K K</div>	
<div>🕒 Placement statistics module</div> <div>February 21, 2024 → March 6, 2024</div> <div>Adith Koliyot, Anu Antony, Nived Narayanan K K</div>	<div>🕒 Off-campus placement module</div> <div>December 31, 2023 → February 12, 2024</div> <div>Adith Koliyot, Amaan Zain N, Anu Antony, Nived Narayanan K K</div>	

# Conclusion

- The implementation of our placement portal project promises to revolutionize the traditional approach to job placements.
- The platform offers all the functional requirements as discussed before.
- Currently the project is completed successfully and all the modules are working.
- Future plans include the integration of placement assistance chatbot and making roadmap and resource dynamic according to current placement trends.

# References

-  Naukri [www.naukri.com](http://www.naukri.com), 1997.
-  Linkedin [www.linkedin.com](http://www.linkedin.com), 2003.
-  Geeks for Geeks [www.geeksforgeeks](http://www.geeksforgeeks), 2008.
-  Placement India [www.placementindia.com](http://www.placementindia.com), 2007
-  Glassdoor [www.glassdoor.co.in](http://www.glassdoor.co.in), 2007
-  Django [www.djangoproject.com](http://www.djangoproject.com), 2005

# Demonstration Video Link

[https://drive.google.com/drive/folders/  
18VSwH0pxCqzEaz21IoGev4RZeXBYH5qp](https://drive.google.com/drive/folders/18VSwH0pxCqzEaz21IoGev4RZeXBYH5qp)