Rupal Tyagi

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EDUCATION

Degree	Institute	Board	Year	GPA/%
B.Tech(CSE)	Graphic Era Hill University	GEHU	2021-25	9.33/10
12th	Cynthia Sr. Sec. School	C.B.S.E.	2020	96.60 %
10th	Cynthia Sr. Sec. School	C.B.S.E.	2018	95.40 %

INTERNSHIP

•**Adwicorp Limited**   *May 2024- present*

FastAPI, Python, SQL, unitest, jsonschema, POSTMAN, git

- Developed RESTful APIs using FastAPI, & Pydantic models, ensuring robust data validation & schema definitions.
- Developed and implemented comprehensive test cases for API endpoints, ensuring robust validation for various scenarios including invalid inputs, incorrect IDs, and empty results.
- Designed and implemented SQL databases, leveraging MySQL for efficient data storage and management, and created DDL scripts to define tables.

PROJECTS

•**Sales and Performance Analysis Dashboard for BlinkIt**   *July 2024*

Power BI, SQL, Microsoft Excel

- Created comprehensive and interactive Power BI dashboards to visualize key metrics such as total & average sales, number of items sold, & customer ratings, enabling stakeholders to make data-driven decisions quickly & efficiently.
- Designed and integrated advanced filtering and drill-down capabilities within Power BI reports, allowing users to filter data by outlet location, size, and item type, enhancing the granularity and depth of data analysis.
- Utilized SQL to query databases containing over 8,523 items and Excel for detailed data manipulation and analysis.

•**Toxic Comment Detector**   *May 2024*

Tensorflow, Keras, Flask, Python, HTML, CSS

- Created an advanced toxic comment detector utilizing Keras and TensorFlow frameworks, employing a Sequential model with LSTM layers.
- Successfully integrated the LSTM-based toxic comment detection model into a Flask web application, enabling real-time prediction of user comments.
- Achieved 95% accuracy through extensive training on a labelled dataset.

•**Edit Buddy**   *December 2023*

OpenCV, Flask, Python, HTML, CSS, JavaScript

- A web-based photo editing application with a user-friendly interface.
- Implemented various editing features including filters, crop, and art options to enhance and manipulate images.
- Integrated a special feature for resolution enhancement using the SRGAN (Super-Resolution Generative Adversarial Network) model, improving image quality significantly.

SKILLS

Languages: C, C++, Python, SQL
Developer Tools & Database: MySQL, VS code, IntelliJ IDEA, Jupyter Notebook, Anaconda, Power BI, Git
Libraries & Frameworks: Flask, Django, OpenCV, Tkinter
Soft Skills: Teamwork, Communication, Adaptability
Coursework: Database Management System, Operating System, Object Oriented Programming, Data Structures and Algorithm

ACHIEVEMENTS

•**AWS AI & ML 2023 Winter Cohort Scholarship** Selected as one of the 1000 recipients of the   *October 2023*
AWS ML & AI Winter Cohort Scholarship from Udacity.

•**University Exams** Achieved 1st rank in the III & V semester university exams for B.Tech.   *2023-24*

EXTRA CURRICULAR

•**GraPic - photography club:** As an Executive member, organized photography competition   *2022-23*
within campus

•**The Ad Mad Show:** Secured 1st position in Ad Mad Show competition, demonstrating cre-   *2024*
ativity, teamwork, and effective communication skills.