Ramesh Boggu

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Academic Qualifications

Year	Degree	Institute	CPI/%
2022 - Present	M.Tech (Chemical Engg)	Indian Institute of Technology, Kanpur	9.17/10
2020	B.Tech (Petro-Chemical Engg)	UCEK-JNTU Kakinada(Autonomous)	8.45/10
2016	Intermediate	Aditya Junior College, Kakinada	97.4%
2014	SSC	Adarsha Vidyalaya EM High School, Pithapuram	9.8/10

Scholastic Achievements

- Recognized with the **Academic Excellence Award** for M.Tech.2022, a distinction given to the **top 5%** of students in the class.
- Secured All India Rank **401** in **GATE 2021** out of **16705** candidates in **Chemical Engineering**.
- Secured rank **3457** in the **AP EAMCET 2016** out of **1.89 lakh** candidates in the engineering stream.

Professional Experience

Systems Engineer @ Infosys Limited   *(Jan'21 - June'22)*

- Being a **Junior Developer** in the **IBM Sterling Omnihub - Dev** team for a year, I configured the modules and user setup.
- Conducted **unit testing** for critical modules and also assisted in bug resolution within the pre-production support team.

Self Projects

Bank ATM Simulation using Python | Python   *(Aug'23)*

- Programmed an interactive **ATM simulation**, showing fundamental **banking operations** using **OOP** principles.
- Applied **Encapsulation** with **getter** and **setter** methods for sensitive data by storing the variables as **private attributes**.

Portfolio | HTML,CSS, JavaScript   *(Aug'23)*

- Designed a **user-friendly** personal **Portfolio** website with basic details like education, experience, skills, and projects.
- Incorporated dynamic elements like a responsive **Google Sheet** integration for seamless data collection from the **contact form**.
- Carried out other interactive components, such as a **download** button for **CV** to enhance user engagement and accessibility.

Movie Recommendation System   *(Aug'23)*

- Created a **movie recommendation system** focused on suggesting movies of **similar genres** for the input given by the user.
- Made use of two extensive **datasets** containing information about more than **4800 movies**, including **details** and **credits**.
- Implemented **content-based recommendation** and used **Cosine Similarity** over the tags to get the similarity score.

Case study on Pizza sales | Power BI, SQL   *(Jul'23)*

- Completed a case study on **pizza sales** to enhance business understanding and utilized **MySQL** for analyzing **key metrics**.
- Created a **dynamic data visualization dashboard** in **Power BI** for **pizza sales** using advanced features like **filters**.

Tic-Tac-Toe | HTML,CSS, JavaScript   *(Jul'23)*

- Developed a **Tic-Tac-Toe** game by creating an **interactive grid** of boxes for players to make moves by clicking on empty cells.
- Implemented a mechanism to detect **winning combinations** using an **array** of such arrangements and **displayed** a victory message upon a player achieving one. Also designed a **restart** button to reset the game and allow players to start a **new game**.

QR Code Generator | HTML, CSS, JavaScript   *(Jul'23)*

- Developed a **QR code generator** application capable of producing QR codes for **input URLs**. Obtained QR code images of varying sizes to match specific needs. Included a **download** option for the QR code associated with the URL.

Skills & Certifications

Programming: Python, MySQL, DSA, Machine Learning   **Utilities:** MATLAB, MS Excel, Power BI
Libraries: Pandas, Matplotlib, Seaborn, Scikit-learn, Pytorch, Numpy   **Web Development:** HTML, CSS, JavaScript

Finlatics - BAEP: *(Online course) (Jun'23 - July'23)*

- Successfully completed a few case projects that involve applying **MECE** principles using **MS Excel** and **Power BI**.

Positions of Responsibility & Extra-Curricular Activities

- **Secretary of Career Development Wing, Academics and Career Council, IIT Kanpur**   *(Jun'23 - Ongoing)*
- Volunteered for the 57th Convocation of the Chemical Engineering Department, IIT Kanpur   *(Jun'23)*
- Participated in a **poster presentation** on the occasion of **Research Scholar's Day** in IITK   *(Mar'23)*
- Champions of the **Freshers' Inferno'22** Cricket Tournament at IIT Kanpur   *(Aug'22)*
- Member of the **FIPI Student Chapter**, UCEK, JNTUK   *(Jun'19 - April'20)*