

# TUSHAR AGARWAL

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## EDUCATION

**Bachelor of Engineering in Computer Science**, JECRC UNIVERSITY

**06/2024**

Specialization in **Data Science** and **Data Analytics**. Cumulative GPA: **8.79**.

**Relevant Coursework:** Data Analysis, Software Engineering, Operating Systems, Data Structures and Algorithms(OOPs), Software Development Life Cycle(SDLC), Artificial Intelligence, DBMS, Computer Networks, unit testing, functional testing,

## SKILLS

<b>Languages</b>	C++, Python, HTML, CSS, JavaScript, Java
<b>Technical Competency</b>	ML, Prompt Engineering, Models Of CHATGPT, GIT, AI, Data Analytics
<b>Frameworks</b>	Streamlit, Semantic-Kernel, React, Node.js, Tableau.
<b>Cloud/Databases</b>	Google Cloud, AWS, Microsoft Azure, SQL MySQL, NoSQL
<b>Areas of Interest</b>	Data-Driven Problem Solving, Quantitative Analysis

## EXPERIENCE

**Software Engineer Intern**

**04/2023 - 05/2023**

Microsoft

Hyderabad, Telangana

- Utilized machine learning and data analysis to create a personalized sales recommendations system, contributing to a **20%** improvement in customer satisfaction within the **MSX Lead Experience team**.
- Successfully merged **15 million customer records** across Leads, Company, and Past Consumption data sources, utilizing a **Python-based ETL process** and **pre-trained GPT models**, delivering actionable insights and a **25% reduction in customer churn**.
- Engineered and executed an innovative architecture that maximized GPT's potential, leveraging prompt engineering techniques. **Result:** Generated personalized email templates, insightful talking points, and real-time communication enhancements, **boosting customer engagement by 45%**.
- Engineered a transformative Sales Insights solution that achieved a remarkable **12% improvement in seller-customer interaction** efficiency and an outstanding **40% increase in conversion rates**.

## PROJECTS

- Mind Craft** - Developed a **Next.js** website with **OpenAI API** integration for **code, blog, podcast, and email generation**, enhancing user productivity by **(70%) with advanced GPT models**.
- Car Price Prediction** - Led the development of a highly accurate **(95%)** used car price prediction model using **Random Forest regression** and advanced feature engineering techniques.
- COURECO** - Developed a hybrid recommendation engine for Coureco that personalizes career and learning opportunities, utilizing diverse **data sources and cloud technologies**, demonstrating expertise in **data analysis, algorithm design, and scalability**.

## EXTRA-CURRICULAR ACTIVITIES

- Spearheaded the development of Medi-I, an AI-powered healthcare app that won **3rd place** out of **50+ teams** at the College-level Ideathon.
- Led the development and maintenance of 5+ interactive web applications for the Google Developer Student Club Jaipur using **HTML, CSS, Javascript**, and other web technologies, boosting user engagement by **20%** and website traffic by **15%**.