

# Aditya Tomar

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📍 New Delhi, India

## Education

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**Birla Institute of Technology & Science, Pilani - K.K. Birla Goa Campus**

*B.E. Electronics & Instrumentation, Integrated M.Sc. Mathematics*

*August 2019 – July 2024*

**CGPA: 7.22**

## Skills

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- C++, Python, JavaScript, Java, SQL
- React.js, Node.js, MongoDB, PostgreSQL, YAML, TensorFlow, PyTorch
- Git/Github, RESTful APIs, SAP BTP, Cloud Integration, GCP

## Courses

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Computer Programming, Object Oriented Programming, Microprocessors and Interfacing, Digital Design  
Discrete Mathematics, Optimization, Probability and Statistics, Mathematical Modeling, Operations Research

## Experience

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**CoreOps.ai**

*Noida, Uttar Pradesh*

**SAP Associate Developer**

*Nov 2024 – Present*

- Designed and implemented **Integration Flow** and **REST APIs** for business processes like sales orders and purchase orders, configuring policies and publishing them on SAP Integration suite.
- Developed **Fiori** applications in Sales and Purchase Order clouds.
- Building an **HRMS** (Human Resource Management System) using **React** and **Node.js**, specializing in resume tracking and filtering to streamline recruitment workflows on SAP **BTP**.

**SAP Labs India**

*Bangalore, Karnataka*

**Software Development Intern**

*Feb 2024 – Sept 2024*

- Engineered a **SAPUI5 Plugin** to log user interactions via an OData service, efficiently handling over **10,000 daily events** with **sub-300ms response times**.
- Integrated **SAP Joule** (AI chatbot) with **S/4HANA Cloud** using **YAML scripting**, automating **end-to-end procurement**.
- Used scripted API to display data, enhancing user experience integrating real-time updates.
- Automated **PR workflows**, enhancing approval efficiency through **SAP Build Process Automation**.
- Implemented **centralized order tracking** in Joule, enhancing visibility and efficiency for all stakeholders.

**Vehant Technologies**

*Noida, Uttar Pradesh*

**Machine Learning Intern**

*Jul 2023 – Dec 2023*

- Developed a face recognition and classification system in **Python** using **OpenCV**, **MTCNN** (Multi task Cascaded CNNs), **ArcFace** and **AdaFace**.
- Implemented **face frontalization** techniques using 3D models, triangulation and perspective algorithms improving the classification accuracy by **10%** in varied lighting conditions.
- Addressed **class imbalance** issue through techniques like **spherical interpolation**, **optical flow** warping and **SMOTE** using **Scikit-Learn**.
- Used classification algorithms like **SVM**, **K-means**, and **Facenet** and image degradation using **PyTorch**.

## Projects

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**Gemini Clone**

[Link to Project](#)

- Created a **Gemini clone** using **React**, integrating Google Generative AI for prompt generation.
- Managed state using React's **useContext** hook for dynamic UI and prompt handling.

**Zomato Customer Behaviour Analysis**

[Link to Project](#)

- Analyzed Zomato customer data using Python, **pandas**, **matplotlib** and **seaborn** for insights into ordering preferences.
- Conducted **EDA** to identify popular restaurant types, average order spend, and ratings distribution.
- Explored seasonality effects on ordering patterns by analyzing **time-series data**, revealing peak ordering times and days.

## Volunteer Experience

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**Pitch Lead (Department of Publicity & PR)**

- Responsible for convincing 20+ Institutions for participating in one of the top Cultural Fests in India (Waves).
- Coordinated with the team members to provide accommodation and facilities for 500+ students.