



# GARVIT GUPTA

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## PROFILE SUMMARY

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Data-driven Computer Science student specializing in AI & ML with strong expertise in SQL and Advanced Excel, and working knowledge of Python for data analysis and statistics. Experienced in database management, reporting, and deriving actionable business insights through structured data analysis and visualization.

## TECHNICAL SKILLS

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**Languages & Frameworks:** Python, Java, JavaScript, HTML5, Tailwind CSS, React.js, Node.js, Express.js


**Databases & Core CS:** MongoDB, MySQL, Database Management & Data Modeling, Data Visualization

**Backend & Security:** RESTful APIs, JWT Authentication, Modular Architecture, RBAC

**Tools & Platforms:** Git, GitHub, VS Code, Power BI, Excel

## PROJECTS


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**OLABookings Data Analysis** | *SQL, Power BI, MySQL, Excel, Python* |  [Link](#)

- Designed and executed SQL queries on ride-booking database to analyze customer behavior, driver performance, and booking patterns across vehicle types.
- SQL, Power BI, Excel analysis of 50K+ OLA ride bookings from Bengaluru
- Analyzed customer behavior, driver performance, booking patterns cancellations
- Developed interactive Power BI dashboards calculating KPIs like peak hours, revenue trends
- Extracted insights on payment methods, vehicle preferences, utilization metrics

**Walmart Sales Performance Analytics** | *Python, Pandas, NumPy, Scikit-learn, Matplotlib* |  [Link](#)

- Built an end-to-end **machine learning pipeline** to predict Walmart sales using **Linear Regression** and **Random Forest** on **421K+** retail records
- Performed **data preprocessing and feature engineering** on multi-source datasets (sales, stores, features) using **Pandas** and **NumPy**
- Achieved **97.07% prediction accuracy** with Random Forest Regressor through **hyperparameter tuning** and feature optimization
- Applied **backward feature elimination** to identify top 6 predictive features, reducing model complexity by **40%**

**WebHome** | *Node.js, Express.js, MongoDB, EJS, CSS, JavaScript* |  [Link](#)

- Built full-stack rental property platform with **Passport.js authentication** and Express session management
- Built automated booking system reducing manual management by **35%** through validation and conflict detection
- Designed **RESTful APIs** for property **CRUD operations**, user management, and booking workflows
- Created responsive **EJS templates** with **form validation** and implemented **MVC architecture**
- Executed manual test cases and documented defects to improve feature reliability
- Performed **API testing** using **Postman** to validate request/response flows
- Designed **regression test** scenarios before feature deployment to ensure system stability

## EDUCATION

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**Vellore Institute of Technology**

**Nov. 2022 – Nov. 2026**

*Bachelor's in CSE Specialization in Artificial Intelligence & Machine learning*

*CGPA : 7.99*

## CERTIFICATIONS & ACHIEVEMENTS

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- IBM GEN AI Using IBM Watsonx [Link](#)
- Applied Machine Learning in Python (Coursera)
- Solved 200+ DSA problems, strengthening algorithmic thinking and problem-solving skills.
- Represented college in 5+ inter-college cricket tournaments, developing teamwork and collaboration.