

# VATSAL GAUR

Delhi | vatsalgaur2001@gmail.com | [www.linkedin.com/in/vatsalgaur](https://www.linkedin.com/in/vatsalgaur) | <https://github.com/vatsal1704>

B.Tech graduate in Computer Science with a strong foundation in **Artificial Intelligence, Machine Learning, and Data Science**, aiming to grow as an AI Engineer. Skilled in **Python, SQL, EDA, NLP, and predictive modeling, with practical experience in transformer-based architectures, prompt engineering, and retrieval-augmented generation (RAG)**. Demonstrated success in end-to-end projects and analytics hackathons, showcasing the ability to deliver real-world AI solutions that drive insights and innovation. Complemented by a background in **web development and cloud computing**, with proven strengths in problem-solving, collaboration, and a passion for continuous learning to stay ahead of industry trends.

## WORK EXPERIENCE

### Software Engineer at Newgen Softwares

Feb 2023 - Sept 2023

- Certificate:<https://drive.google.com/file/d/17tcCwL1COWEE7954U955iwZck8FmS1K/view?usp=sharing>
- Collaborated on client-facing web app features, enhancing user experience and satisfaction.
- Debugged and resolved software defects, ensuring prompt issue resolution.
- Developed responsive front-end interfaces using HTML, CSS, JavaScript.
- Participated in code reviews, maintaining coding standards and efficiency.
- Also worked on products of Newgen.

### Marketing Intern at WeSettle

Jun 2020 - Aug 2020

- Contributed to UI/UX enhancements to improve overall user experience and interface design.
- Assisted in front-end development tasks, ensuring responsive and user-friendly features.
- Conducted app testing and debugging to identify and resolve usability issues.
- Collaborated with the team to support product improvements and feature rollout.

## EDUCATION

### Graduation

Aug 2019 - Aug 2023

### Bachelor of Technology in Computer Science

- Akhilesh Das Gupta Institute of Technology and Management (formerly NIEC), Shastri Park ,Delhi
- GPA: 9.0(overall)

### High School

Apr 2017 - Apr 2019

- Kulachi Hansraj Model School , Ashok Vihar ,Delhi-52
- PCM with Computer Science
- 89.80% in CBSE board

## PROJECTS

### Multi-Doc AI Chatbot | Python · LangChain · FAISS · Gemini · Streamlit

- Engineered an AI-powered assistant to query across multiple PDF documents using Google Gemini 2.5 Pro and vector search (FAISS), enabling rapid information retrieval for research and business intelligence.
- Designed and deployed a Streamlit interface for seamless document upload and natural-language Q&A, improving productivity in domains like legal, finance, and compliance.
- Live Demo: <https://chat-with-multiple-pdfs-using-gemini.streamlit.app>
- GitHub: <https://github.com/vatsal1704/Chat-with-Multiple-PDFs-using-Gemini>

### Hotel Cancellation Prediction | Python · Scikit-learn · ML · Streamlit

- Developed a machine learning model to predict hotel booking cancellations, helping hotels reduce revenue leakage and optimize resource allocation.
- Performed data cleaning, feature engineering, and classification modeling, achieving high accuracy and interpretable cancellation risk scores for business decision support.
- Deployed via Streamlit with probability outputs (e.g., “78% risk of cancellation”) to aid in forecasting and revenue management.
- Live Demo: <https://hotel-cancellation-predictionn.streamlit.app>
- GitHub: <https://github.com/vatsal1704/hotel-cancellation>

## Minutes of Meeting (MoM) | Python · OCR · NLP · Streamlit

- Built an OCR-based AI tool that converts handwritten/printed meeting notes into structured, searchable minutes of meeting, streamlining knowledge management.
- Leveraged Pytesseract + NLP parsing to improve accuracy of extracted insights, reducing manual transcription effort for teams and enterprises.
- Delivered through a Streamlit UI, allowing instant upload and automated generation of meeting summaries.
- Live Demo: <https://minutes-of-meetingg.streamlit.app>
- GitHub: <https://github.com/vatsal1704/Minutes-of-Meeting-MoM>

## ResumeAnalyser.AI | Python · Generative AI · NLP · Streamlit

- Designed a GenAI-driven ATS analyzer that compares resumes with job descriptions, producing match scores, SWOT analysis, and hiring probability, enhancing candidate-job fit.
- Applied NLP keyword extraction & semantic similarity to highlight missing skills and optimize resumes for recruiter screening.
- Delivered as an interactive Streamlit app, enabling job seekers and HR teams to assess resume-job alignment in real time.
- Live Demo: <https://match-reusme-ai.streamlit.app>
- GitHub: <https://github.com/vatsal1704/ResumeAnalyser.AI>

## SKILLS

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**Programming:** Python(Pandas, NumPy, Seaborn, Matplotlib, Statsmodels, Scikit-learn), C++, Javascript, ReactJS, SQL

**Data Analysis:** EDA, Statistical Analysis, A/B Testing, Hypothesis Testing

**Machine Learning:** Regression, Classification, Clustering, Hyperparameter Tuning

**Generative AI:** Prompt Engineering, Transfer Learning, RAG (Retrieval-Augmented Generation), Transformers

**Tools & Platforms:** Jupyter, Google Colab, MySQL, Excel, Git, Github, VS Code ,AWS Cloud

**Soft Skills:** Problem-solving, Communication, Team Collaboration, Critical Thinking

## CERTIFICATES

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- Udemy Web Development Bootcamp 2021
- DUCAT Cloud Computing AWS  
[https://drive.google.com/file/d/1kLurRnzES5R\\_cGP1tlb7lHRNOT6j07nh/view?usp=drive\\_link](https://drive.google.com/file/d/1kLurRnzES5R_cGP1tlb7lHRNOT6j07nh/view?usp=drive_link)
- Udemy Python Bootcamp 2021
- Udemy Java 2023 bootcamp
- Cloud Computing - AWS
- Coursera Introduction to React JS
- Udemy SQL Beginner to Advance
- Coursera Introduction to HTML and CSS

## ACHIEVEMENTS

- *GWOC'21 (GirlScript Winter Of Code)* (08/2021 - 11/2021)  
*Contributor at GWOC'21 Open-Source Program.*  
*Certificate:*  
<https://drive.google.com/file/d/1kRA2b29K3aKn9BkMrygq7mMA2NR3Ko-b/view?usp=sharing>
- *Smart India Hackathon (SIH)* (03/2022 - 03/2022)  
*Participated in Smart India Hackathon(SIH) organised at national level and made a fully working project during the hackathon.*  
*Certificate:*  
<https://certificate.givemycertificate.com/c/ca0ff136-be28-4129-8f1f-62cdc4d63451>
- *LivetheCode Hackathon by Codeshef* (11/2021 - 11/2021)  
*Participated in LivetheCode Hackathon organized by Codeshef and made a fully working project during the hackathon.*  
*Certificate:*  
<https://certificate.givemycertificate.com/c/b6b2ccb8-436d-4a35-802cfb55acb9c5c7>