

Gautam

Contact : +91 95920-26535 | pubrejagautam101@gmail.com | [linkedin](#) | [Github](#) | [Portfolio](#)

Education

- Punjab Engineering College**
Bachelor of Technology (B.Tech.)
Computer Science Engineering
[2021-2025]
Chandigarh;
- Guru Nanak Khalsa Sr. Sec. School**
Central Board of Secondary Education
(Class XII)
[2019-2021]
Chandigarh;

Soft Skills

Creative | Leader | Analytical | Multitasking

Technical Skills

Node, MySQL, MongoDB, Selenium, Docker, AWS, PowerBI

- Programming Languages:**
C++, Python, JavaScript
- Frameworks:**
React, Express, Streamlit, Bootstrap, Numpy & Pandas
- Softwares:**
Microsoft Office, Adobe (Premier Pro, Photoshop, AfterEffects)

Core Competencies

Operating System
Database Management System
Machine learning
Web Scraping
Web Services
Generative AI
Natural Language Processing

Work Experience

Founderverse Audio recording bot for meetings Tools: Selenium, pyaudio, AWS lambda, Docker	Remote Aug 2024 – Present
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Constructed a Python and Selenium-based bot for **Google Meet** engagement, enabling automatic meeting joins and recordings; this innovation has now saved 20 hours weekly for the customer service team

- Responsibilities:**
- Configured a **Selenium Grid** in Docker to run tests remotely, achieving scalable and efficient parallel execution of up to 50 test cases simultaneously, leading to a 60% reduction in overall testing time
 - Built a Docker image for deployment and uploaded to **AWS ECR** for seamless integration, and leveraged **AWS Lambda** to create containers, enabling serverless operations and reducing manual intervention by 50%

CSIR - Council of Scientific & Industrial Research Agricultural Assistance Chatbot Tools: Python, Large Language Models, Streamlit, MongoDB	Chandigarh Jan 2024 – April 2024
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Created a chatbot leveraging **GenAI** providing personalized agricultural advice, boosting productivity by 30%

- Responsibilities:**
- Designed a chatbot UI with Streamlit, integrated **Mixtral-7b-instruct** for response generation and context retention, reached an accuracy of 85% in response relevance
 - Integrated Streamlit audio recorder for voice queries and used **OpenAI-Whisper** for transcriptions, boosting usability for non-tech users by 30%
 - Secured user data with encrypted login, managing over 10,000 credentials and chat histories with MongoDB

Projects

Sentiment Analysis Tools: Numpy, Pandas, NLP, TextBlob, Matplotlib	June 2024 – July 2024 Github
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Made a **text mining** pipeline to analyze customer feedback and derive sentiment polarity and subjectivity, contributing to a 20% increase in customer satisfaction through targeted improvements

- Implemented sentiment analysis on 10,000+ reviews using Python, **TextBlob**, and **NLTK**, enhancing accuracy by 15%
- Automated sentiment trend analysis, driving a 25% product quality improvement and a 30% increase in positive feedback

Hospital Management System Tools: React, Node, MongoDB, Cloudinary	Aug 2023 – Oct 2023 Github
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Developed a **MERN-based** system for hospitals that enhances patient engagement by 35% and 25% reduction in administrative workload with advanced features

- Implemented secure **authentication**, reducing unauthorized access by 30%, and enhanced workflow efficiency by 40% with **dual frontends** for users and admins
- Utilized MongoDB to efficiently manage over 5,000 users, messages, and appointments, while enabling key features like appointment booking and health checkups

Amazon Sales Data Analysis Tools: Power BI, Python(Pandas), SQL	Feb 2023 – May 2023 Github
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- Analyzed 50,000+ rows of Amazon sales data, identifying trends that improved product placement and marketing strategy.
- Built interactive **Power BI** dashboards to visualize sales and inventory insights, enhancing data-driven decision-making by 25%.

Position of Responsibilities

Cultural Head Dramatics Club (Acting)	Dec 2021 – Present
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- Coordinated a team of 15 performers to deliver impactful street plays at IIT fests, refining scripts and rehearsals that enhanced audience engagement and received positive feedback from festival organizers, raising team morale
- Conducted successfully an Acting Workshop that resulted in a remarkable increase in the club's enrolment rate, attracting over 50+ new members, and fostering a vibrant and thriving acting community within the club
- Organized Orientation'23 with over 100 participants and 300 attendees