

Aditya Gautam

📞 7903699124 | ✉ ag9505545@gmail.com | 🌐 linkedin.com/in/adityagautam-769900313
Santshahi Nagar, Kahalgaon, Bhagalpur, Bihar, India

CAREER OBJECTIVE

Driven Computer Science undergraduate seeking a Software Engineering Internship to apply strong programming skills in Python, C++, and AI/ML technologies toward solving complex technical challenges. Proven ability to build end-to-end applications including AI-powered voice assistants, data analysis tools, and optimized algorithms. Eager to contribute to innovative projects while gaining hands-on experience in scalable software development, leveraging emerging GenAI tools, and delivering impactful solutions that enhance user experiences globally.

EDUCATION

Central University of Jammu

Bachelor of Technology in Computer Science

Jammu, Jammu & Kashmir

Aug 2024 – Present

- Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Machine Learning Fundamentals, Statistical Data Analysis, Object-Oriented Programming
- Member of Code Connect CUJ, actively participating in coding competitions and collaborative development projects

Acharyakulam

Secondary Education

Haridwar, Uttarakhand

Graduated Aug 2024

TECHNICAL SKILLS

Programming Languages: Python, C++, C, SQL

AI/ML & Data Science: Natural Language Processing, Machine Learning, Deep Learning Fundamentals, Feature Engineering, Supervised & Unsupervised Learning, scikit-learn, Statistical Data Analysis, Time Series Analysis

Databases: MySQL, PostgreSQL, SQLite, SQL Server

Libraries & Frameworks: NumPy, Pandas, Matplotlib, Seaborn, scikit-learn, NLTK, speech_recognition, pyttsx3, Tkinter, BeautifulSoup, Requests

GenAI & Development Tools: GitHub Copilot, Cursor AI, Replit AI, ChatGPT for Code Generation, Generative AI Development

Tools & Technologies: Git, GitHub, Linux, VS Code, PyCharm, Jupyter Notebook, REST APIs

Core Competencies: Data Structures & Algorithms, Object-Oriented Programming, Problem Solving, Data Analytics, API Integration

PROJECTS

Jarvis AI Voice Assistant | *Python, NLP, Speech Recognition, REST APIs, Machine Learning* 2024

- Developed an intelligent voice assistant leveraging Natural Language Processing with 85% command recognition accuracy using speech_recognition and pyttsx3 libraries
- Integrated multiple REST APIs including OpenWeatherMap, News API, and Google Calendar for real-time data retrieval and task automation
- Implemented machine learning-based intent classification to interpret user commands and execute system-level operations
- Designed modular architecture enabling seamless third-party API integration and feature expansion for enhanced functionality
- Utilized pandas and NumPy for data processing and statistical analysis of user interaction patterns

Data Analysis & Visualization Dashboard | *Python, Pandas, NumPy, Matplotlib, Seaborn, SQL* 2024

- Built comprehensive data analysis pipeline processing and visualizing datasets using pandas, NumPy, and matplotlib
- Performed feature engineering and statistical analysis including time series analysis and trend forecasting
- Created interactive visualizations with Seaborn to communicate insights from complex datasets effectively
- Integrated SQL database queries (MySQL/PostgreSQL) for efficient data extraction and transformation workflows

Tic-Tac-Toe Game with GUI | *Python, Tkinter, Algorithm Optimization* 2024

- Built interactive two-player game with graphical user interface using Tkinter and object-oriented design principles
- Implemented optimized win-detection algorithm with O(1) time complexity for real-time game state evaluation
- Designed responsive UI with dynamic board resizing, visual feedback, and game statistics tracking features

- Leveraged GitHub for version control and collaborative development with regular commits and branch management

Advanced Scientific Calculator | *Python, GUI Development, Expression Parsing*

2024

- Created feature-rich calculator supporting basic arithmetic, scientific operations, and complex expression evaluation
- Implemented robust error handling for edge cases including division by zero, invalid syntax, and overflow conditions
- Designed intuitive user interface following modern UI/UX principles with keyboard shortcut support

EXPERIENCE

Code Connect CUJ

Central University of Jammu

Active Student Member

May 2025 – Present

- Collaborate with peers on coding challenges, hackathons, and open-source contributions using Git/GitHub workflows
- Participate in technical workshops on AI/ML, data science, and software development best practices
- Engage in peer code reviews leveraging GitHub Copilot and modern GenAI tools to enhance code quality and productivity
- Conduct knowledge-sharing sessions on Python development, data analytics, and emerging AI technologies

ACHIEVEMENTS & CERTIFICATIONS

Solved 100+ data structures and algorithms problems across LeetCode, HackerRank, and competitive programming platforms

Self-taught developer with portfolio of 10+ Python projects spanning AI, data science, and full-stack development

Completed online courses in Machine Learning Fundamentals, Data Science with Python, and SQL Database Management

Proficient in leveraging GenAI tools (GitHub Copilot, Cursor AI, ChatGPT) for accelerated development and debugging

Active contributor to technical community through knowledge-sharing, collaborative problem-solving, and open-source exploration