Aayush Makhija

|aayush.makhija@gmail.com | +91 9158651925 | LinkedIn: Aayush Makhija | GitHub: aayush-makhija

EDUCATION

Manipal University Jaipur   **Jaipur, Rajasthan**
B.Tech (Computer and Communication Engineering)   *Expected Graduation: July 2026*
- o **Concentrations:** Full-Stack Development and Data Science
- o **CGPA:** 8.03
- o **Related Coursework:** Computing in C, Data Structures & Algorithms, Object-Oriented Programming in Java, Computer Networks, Database Design using SQL, Operating Systems, Web Development, Software Engineering, Soft Computing, Artificial Intelligence and Machine Learning, Data Mining and Warehousing, Social Network Analysis, Network Security, Human Computer Interaction, Big Data Analytics, Deep Learning, Data Communication, Computer Networks, Wireless Communicationx

SKILLS

Programming: C, Python, Golang, JavaScript, HTML/CSS, SQL, Java
Tools: Node.js, Express.js, npm, Git, Docker, Bootstrap, Postman
Databases: Postgres, MySQL

EXPERIENCE

Celebal Tech   **Pune, Maharashtra**
Node.js Intern   *May 2025 – July 2025*
- Built a flight booking chatbot using **Node.js** and **Microsoft Bot Framework**, automating user interactions and reducing manual search time by **60%**.
- Integrated **Amadeus API** for real-time flight data, price comparisons, secure payments, and multilingual support across 30+ airlines, improving accessibility and user satisfaction.
- Completed 10+ backend assignments with **Express.js** and **MySQL**, refining API design, data handling, and chatbot integration skills.

Invimatic Tech   **Pune, Maharashtra**
Software Development Intern   *May 2024 – July 2024*
- Developed plugins in **Golang** and **Caddy**, automating over **500 SSL certifications** through the **ACME** challenge process.
- Created a **Go** plugin with **Kong** to streamline **API management** and enhance backend functionality.
- Gained hands-on experience with **DNS servers** and backend tools like **Postman** while exploring **.NET** fundamentals.

PROJECTS

Flight Booking Chatbot   **Pune, Maharashtra**
Lead Developer   *May 2025 - Jul 2025*
- Developed an intelligent flight booking assistant using Node.js, Express.js, and Microsoft Bot Framework. Integrated Azure CLU for intent recognition and Amadeus API for real-time flight search, booking, and price comparisons across 30+ airlines
- Implemented multilingual support, payment gateway integration, and MySQL-backed booking management, improving booking efficiency and accessibility via natural language conversations.

Interactive Journal   **Jaipur, Rajasthan**
Lead Developer   Jan 2025 - Apr 2025
- Built a sentiment-aware journaling tool that helps users reflect on emotions and thought patterns through daily writing.
- Applied NLP techniques (tokenization, stop word removal, TF-IDF) with machine learning models (Logistic Regression, Naive Bayes), achieving 77.8% accuracy on real-world emotional datasets.

CERTIFICATIONS

- C Programming - UC Santa Cruz
- Python Essentials 1 & 2 - Cisco Networking Academy
- Foundations of Data Science - Google
- Introduction to Software Engineering - IBM
- System Administration - Red Hat

ACTIVITIES AND LEADERSHIP

CSI (Celebal Summer Internship)
Node.js Intern
- Selected from 26,000+ applicants; received top ratings for problem-solving and code quality.
- Praised for API fallback handling, multilingual support, and clean code structure.

NPTEL Design and Analysis of Algorithms
Achieved a top 5 percentile rank in the prestigious NPTEL Design and Analysis of Algorithms exam conducted by IIT Madras, showcasing strong analytical and problem-solving skills.