

PAYAL SRIVASTAVA

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 GitHub |  LinkedIn

PROFESSIONAL SUMMARY

AI Product Builder with experience developing end-to-end AI tools, intelligent assistants, and automation workflows. Skilled in GPT APIs, Gemini, LangChain, and IBM Watson Assistant for building conversational systems and dashboards. Strong in React.js, Python, Node.js, with hands-on integration of Firebase, Supabase, and tools like Zapier and n8n. Fast prototyper with a focus on scalable, user-centric AI solutions.

EDUCATION

- **B.Tech (Automation and Robotics)| GGSIPU, East Delhi Campus (USAR)| CGPA: 8.72**
- **XII (CBSE)| Greenway Modern School, Delhi | 2021 | 84%**
- **X (CBSE)| Greenway Modern School, Delhi | 2019 | 96%**

TECHNICAL SKILLS

- **Languages and Frameworks:** Python, JavaScript, Node.js, React.js, Tailwind CSS, Express.js
- **AI & Automation Tools:** LangChain, Gemini API, IBM Watson Assistant, Flowise, n8n
- **Databases & Platforms:** Supabase, Firebase, MySQL
- **Dev Tools:** Git, GitHub, Figma, Vercel, Replit
- **Concepts:** GPT Integration, Embeddings, API Triggers, RAG (Retrieval-Augmented Generation), Assistant APIs

EXPERIENCE

AI/ML Intern | IBM SkillsBuild Summer Internship Program| July 2024 – August 2024

- Deployed an AI-powered chatbot using IBM Watson Assistant, enhancing NLP performance and user interaction.
- Improved chatbot accuracy by 15% through model optimization and iterative testing.

Research Trainee | DRDO, Delhi | July 2023 – August 2023

- Implemented blockchain solutions using Hyperledger, smart contracts, and consensus algorithms.
- Reduced transaction processing time by 30% and improved system security through distributed ledger integration.

PROJECTS

FinTrack – Personal Finance Dashboard (React.js, Chakra UI, Firebase, Recharts)

- Designed architecture for scalable expense-tracking system using Firebase and modular component structure, enabling users to track expenses, set monthly budgets, and visualize trends through interactive graphs.
- Achieved 95% form submission accuracy and reduced user churn during beta testing by 40% by implementing responsive UI.

ChatTrix AI – Conversational AI Tool (React.js, Tailwind CSS 4, Gemini API)

- Engineered a ChatGPT-style AI assistant powered by Gemini API, capable of generating context-aware responses across diverse user prompts.
- Attained 90% response accuracy and reduced latency by 40% through optimized API handling and message rendering.

HerCycle – AI-Powered Menstrual Health Platform (Flutter, HTML, CSS, JavaScript, IBM Watson Assistant)

- Built a menstrual health assistant with an AI chatbot that resolved 90% of user queries, improving user engagement by 75%.
- Integrated IBM Watson Assistant to deliver personalized health insights and symptom tracking.

PUBLICATIONS & RESEARCH

Co-authored research paper: "Optimizing Python Compilation and Execution: Techniques, Analysis, and Insights" at 8th ICAPIE - 2024.

LEADERSHIP & RESPONSIBILITIES

Executive Member| ACM (Association for Computing Machinery)| GGSIPU •

Conducted 5+ workshops on emerging technologies, mentoring 200+ students.

Event Coordinator| Elysian'23 (Annual Tech Fest, GGSIPU East Campus) •

Managed logistics and volunteer team for 500+ attendees.