

# DEVDEEP PAUL

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[LinkedIn](#) | [Github](#) | [Portfolio](#)

## EDUCATION

B.TECH (Production Engineering)	2023-2027	Delhi Technological University, New Delhi	7.70 CGPA
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## PROFESSIONAL EXPERIENCE

**Full Stack Engineer Intern | HireZapp | [Link](#)** Aug 2025 - Nov 2025

- **Automated** end-to-end **CI/CD pipelines** using GitHub Actions, Docker, and AWS ECS/DynamoDB, cutting manual deployment effort by **70%**.
- Developed and **deployed 30+** production-ready backend automation scripts improving **operational efficiency by 40%** with zero downtime.
- Spearheaded the optimization of API response times, **decreasing latency from 3.2 seconds to 200 milliseconds** by implementing **asynchronous processing** and **caching** strategies, improving the application performance.

## ACADEMIC PROJECTS

**Go Web Scraper** – *Command-line scraper* | [Link](#) | Go, Goquery, net/http

- Built a **robust web scraper** handling **4+ failure scenarios**, **processing web pages 40% faster** than manual methods
- Structured a **flexible CLI system** utilizing **Goquery CSS selectors** for precise HTML parsing with absolute URL resolution across **3 extraction modes (links/headlines/all)**

**RAG Agent & Serverless AI System** – *RAG system* | [Link](#) | TypeScript, Langbase SDK, Gemini 2.0 Flash

- Engineered a high-performance RAG system using semantic search to achieve **28% faster response times**.
- Devised a **scalable, serverless AI agent system** utilizing **Text-Embedding-004** for efficient knowledge retrieval

**Gosh** – *Command-line shell* | [Link](#) | Go, Unix/WinAPI, Docker, gopsutil, urfave/cli

- **Engineered a cross-platform CLI shell** in Go using **urfave/cli**, implementing **20+ core Unix-like utilities** including a **custom grep engine** and real-time system monitoring via **gopsutil**.
- **Fortified** a Go-based file compression utility by implementing **security-first features** like path-traversal validation and **protection against decompression bomb vulnerabilities**.

## TECHNICAL SKILLS

- **Languages:** Python, C, C++, Go, JavaScript, TypeScript
- **Backend Development:** Python (FastApi, Flask), Gin, C++, Node.js, Express.js, REST APIs, Microservices Architecture, API Design
- **Frontend Development:** Next.js, React, JavaScript (ES6+), HTML5, CSS3, Responsive Web Design
- **Tools and Platforms:** Linux, Git, GitHub, Github Actions, Docker, Kubernetes, IaC, Vercel, Render, AWS
- **Databases:** PostgreSQL, MongoDB, DynamoDB, Database Design, Query Optimization
- **Computer Science Fundamentals:** OOPs, Data Structures & Algorithms, DBMS, OS

## POSITIONS OF RESPONSIBILITY

**Software Developer | DTU Training and Placement Department**

- Built a recruitment platform for **3,000+ users**, **reducing manual coordination by 80%**.
- Optimized deployment workflows to maintain **100% uptime** during peak recruitment cycles.