

Akshada Kashyap H B

+91 8056032332 — kashyap.akshada@gmail.com — LinkedIn

Education

SRM Institute of Science and Technology
B.Tech in Computer Science and Engineering
CGPA: **9.94 / 10**

Chengalpattu, India
Jun 2026

Experience

Philips
Software Development Engineer Intern

Bangalore, India
Aug 2025 – Present

- Architected a **Sales Forecasting Engine**, owning the complete ML lifecycle and React-based UI, improving forecasting methodology efficiency by **15%**.
- Engineered an **Intelligent Document Processing (IDP)** platform that reduced manual processing time by **92%**.
- Automated validation pipelines using Python and Microsoft Power Automate, eliminating Excel-based workflows and saving **20+ hours per week**.
- Leveraged AI-assisted development to rapidly prototype and deploy internal tools, accelerating delivery of production-ready features.

Applied Materials
Software Development Engineer Intern

Chennai, India
Jun 2025 – Aug 2025

- Developed full-stack modules across React and Python services, reducing workflow completion time by **50%**.
- Implemented REST APIs and backend database logic supporting custom business workflows.
- Designed a proof-of-concept framework enabling custom code injection into existing codebases using React and Python.

Projects

Builder
Next.js, FastAPI, Graph Neural Networks, Data Flow Analysis

Feb 2025 – Present

- Built a custom code parser for identifying logical mismatches in student code submissions.
- Developed a semantic analysis pipeline using Code Property Graphs (CPGs) and Graph Neural Networks.
- Achieved **77.4% end-to-end accuracy** while detecting non-trivial logical inconsistencies.
- Expanding support for recursive functions, multi-branch execution paths, and richer semantic error taxonomies.

TaskForge
FastAPI, PostgreSQL, Supabase

Mar 2026 – Present

- Building a high-performance backend system entirely without AI assistance to strengthen mastery of FastAPI internals and asynchronous programming.

- Implemented dependency injection, Pydantic schema validation, database migrations, and modular service architecture manually.
- Focused on backend scalability, maintainability, and architectural best practices.

Publications

AI-Powered Dynamic Hint Generation using Real-Time Code Parsing

AIP Proceedings, 5th International Conference on Internet of Things (ICIoT), SRMIST.

Achievements

- **3-Time University Rank Holder (Rank #1)** among 2000+ students.
- **Best Paper Award** – 5th International Conference on Internet of Things (SRMIST).
- **Academic Excellence Award (2026)** for maintaining a 9.94/10 CGPA and research contributions.
- **First Runner-Up**, HackRush 1.0 (Qwiklabs x SRMIST) for LitGuide-AI.
- **Finalist**, OSSOME Hacks 2.0 (GitHub Club) for Buildor.

Skills

Languages: Python, TypeScript

Frameworks & Libraries: FastAPI, Next.js, MERN, PyTorch

Databases: PostgreSQL, Supabase

Cloud & Tools: Azure, Microsoft Power Automate, Power Apps, Copilot Studio

Interests: AI Agents, Intelligent Document Processing, Recommendation Systems, Backend Engineering, Database Design, Program Analysis