

Varshneya Bhushan

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Experience

Beehyv Software Solutions

Software Developer

Aug 2023 - Present

Hyderabad, India

Typeface.ai

- Established a framework-agnostic **behaviour evaluation system** for agents and skills with Langfuse tracing, specialized evaluators and ADO pipeline integration, grading each run on seven dimensions with LLM-as-judge and static graders, cutting manual agent testing by 80%.
- Owned production **skill-based retail product-listing agents** end to end for an enterprise CPG customer, cutting run latency 3x through measured prompt and context-compaction ablations and raising success rates from ~64% to 87-98% with a cron-based reliability harness, error taxonomy and CSV chunking strategies that return partial output on step failure.
- Architected a **Plan and Execute orchestration framework** enabling multi-agent coordination for complex user requests, with support for human-in-the-loop interrupts, dynamic replanning with validation feedback and flexible iteration strategies for long-running LLM workflows.
- Built a **CSV bulk-processing workflow** achieving high reliability for thousands of records through optimized batching, retry logic, milestone tracking and structured output validation.

Blueflagsecurity.com: integrated connectors for source control platforms like GitHub, Bitbucket to monitor and get insights about security risks.

Testbook

Backend Developer

Aug 2019 - Dec 2021

Navi Mumbai, India

- Developed **Masterclass series** to better organize learning material. Got **1 million views** monthly, with **15 million minutes** of watch time, with total of **1.3 million users**.
- Developed “add to vault” to save favourite material for students. Improved **retention rate by 40%**.

CDAC

Software Developer, Intern

May 2018 - Jul 2018

Pune, India

Developed a service IRM: Issue Reporting Management system end-to-end (NodeJS, MySQL, Vanilla JS).

Projects

Whisperbooks

<https://chat.bhushan.fun>

- Built **LangGraph-powered AI conversation engine** with persona-based characters, automatic memory summarization, iterative quality refinement, Redis-backed state persistence, and multi-provider LLM support.
- Architected notebook platform with **AI character lifecycle management, turn-based orchestration**, real-time WebSocket communication, dual-theme UI, and AWS S3-backed asset storage.
- Implemented **token-based billing system** with usage tracking per interaction, **provider-agnostic payment integration**, multi-currency support, and real-time credit updates via WebSockets.

Simple Resume

<https://www.simpleresume.dev>

- Engineered an **AI resume builder** using LangChain, incorporating an AI agent developed to help craft the resume, which **analyzes job descriptions** to automatically rewrite content for optimal matching, with automated PDF parsing and **AI-generated cover letters** based on profiles.
- Built **portfolio generation and hosting service** (TypeScript, MongoDB, React 19) with multiple templates with OAuth authentication (GitHub/Google) and drag-and-drop UI.

Education

IIT Guwahati

Bachelor of Technology, Maths & Computing

Jun 2015 - May 2019

Guwahati, India

Skills

AI Frameworks: LangChain, LangGraph, Agent Skills, Google ADK, Langfuse, LLM Evaluation

Languages: Python, Golang, TypeScript/NodeJS, React

Data & Infra: MongoDB, Postgres, Redis, Elasticsearch, Docker, AWS (EC2, ECR, Amplify), Azure DevOps