

Shantanu Bhardwaj

Full-Stack and AI Developer

+91 8707890445 | shantanuforwork9@gmail.com | [LinkedIn](#) | Lucknow

PROFESSIONAL SUMMARY

Over 7 years of experience developing AI systems with a focus on large language models such as LLaMA 3 and ChatGPT. Work has centered on improving model reasoning in complex technical domains by solving logic-heavy problems, generating reliable code, and reducing hallucinations through structured evaluation and fine-tuning. Built tools for large-scale prompt testing, model feedback loops, and deployment pipelines designed for real-world use. Strong foundation in Python, NLP, and full-stack engineering, applied to building AI systems that are stable, accurate, and production-ready.

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript/TypeScript, C#, C++, HTML5, SQL | **Frameworks:** Angular 2+, React, Bootstrap, Material UI, PyTorch, Tensor Flow, Keras, Langchain | **Frontend:** HTML5, CSS3, Angular 2+, React | **Backend:** .NET Core, Node.js, Next.js | **Tools:** Git, Jupyter Notebook, REST APIs, Postman, VS Code, Visual Studio, CI/CD with Azure DevOps, Prompt Pipeline Automation, Model Versioning, Drift Monitoring, Feedback Loops, LLM Evaluation, Responsible AI Practices, Docker, MLflow | **Databases:** PostgreSQL, MySQL, MongoDB | **Platforms:** Microsoft Azure, Azure Cognitive Services, AWS, Docker, GraphQL | **Methodologies:** Agile Workflows | **Others:** Leadership, Cross-functional Collaboration, Logical Validation

PROFESSIONAL EXPERIENCE (7+ Years)

Senior AI Developer | Jul 2024 - Present

Outlier.ai | India (Remote)

- Led the development of AI-assisted systems for mathematical and computer science reasoning, improving the accuracy and reliability of outputs.
- Built and automated tools for LLM output evaluation, enabling large-scale prompt testing and benchmarking of AI content quality.
- Collaborated with researchers to fine-tune model behavior, reducing hallucination rates by 35% and improving factual accuracy in STEM domains.
- Designed feedback loops for AI agents using structured rubrics, enhancing model training and precision-tuned grading logic.
- Designed randomized prompt selection strategies to ensure unbiased LLM evaluation across edge cases.
- **Versioned and tracked LLM outputs** and evaluation results to enable iterative improvement and rollback mechanisms.
- **Implemented tools to monitor LLM performance, hallucination rates, and response latency, enabling retraining triggers and feedback loops.**
- Developed metrics dashboards (via Jupyter or internal tools) to evaluate **model drift and prompt effectiveness** over time.

AI Developer | Jul 2023 - Jul 2024

Innodata Inc. | Noida

- Designed and deployed AI-first workflows powering GenAI features in domains like mathematics, astronomy, and code generation.
- Engineered dynamic prompt pipelines for real-time LLM applications, balancing creativity and correctness in production environments.
- Designed and maintained **CI/CD workflows for GenAI pipelines**, supporting automated evaluation, prompt updates, and model deployment.
- Contributed to operational playbooks documenting prompt tuning, feedback loops, and performance monitoring.

Technical Team Lead | Aug 2022 - Jul 2023

Berkshire Hathaway | Gurugram (Remote)

- Led a team of 6 developers in delivering enterprise-grade solutions using Angular, .NET Core, and Azure.
- Designed and implemented CI/CD pipelines via Azure DevOps, improving deployment efficiency by 75%.
- Provided regular code reviews to maintain quality and consistency across projects
- Guided architectural decisions for scalable systems and new feature rollouts
- Onboarded and mentored junior developers to ramp up quickly and follow best practices
- Collaborated with stakeholders to ensure model outputs and workflows followed **data privacy protocols and business compliance requirements**
- Worked in regulated domains requiring **traceability, access control**, and structured evaluation for model reliability

MERN Stack Developer | *Oct 2021 - Aug 2022*

Blue Zebra Insurance (Subsidiary Company - Berkshire Hathaway) | *Gurugram (Remote)*

- Re-architected the core insurance dashboard with Angular, Node.js, and MongoDB, improving user experience and reducing page load time by 85%.
- Migrated legacy SQL systems to an API-driven architecture, enabling real-time policy updates and quote generation.
- Reviewed code, debugged problems, and corrected issues.
- Developed unit test cases for testing and automation.
- Used NodeJS, ORM and SQL to develop and manage databases.
- Developed functional databases, applications and servers to support websites on back-end.
- Reviewed code to validate structures, assess security and verify browser, device and operating system compatibility.

Full-Stack Developer | *Sep 2018 - Oct 2021*

Boat US (Subsidiary Company – Berkshire Hathaway) | *Gurugram*

- Delivered and maintained production-grade applications for boating insurance services using Angular, .NET Core, and MySQL.
- Automated quote generation and reporting features, reducing manual effort for customer-facing operations by 90%.
- Managed development milestones from initial steps through final delivery.
- Discussed project progress with customers, collected feedback on different stages and directly addressed concerns.
- Inspected equipment, assessed functionality, and optimized controls.
- Developed next generation integration platform for internal applications.
- Tested and deployed scalable and highly available software products.
- Proved successful working within tight deadlines and a fast-paced environment.

Analyst Programmer | *Aug 2017 - Sep 2018*

Xceedance Infotech (Subsidiary Company – Berkshire Hathaway) | *Gurugram*

- Developed internal tools and dashboards to streamline underwriting automation, reducing turnaround time for key workflows.
- Refactored legacy code to improve maintainability and reduce technical debt in high-use modules.

EDUCATION

Bachelor's Degree – B.Tech in Computer Science and Engineering | *September 2017*

Dr. A. P. J. Abdul Kalam Technical University | *Lucknow*