Shivani Sharma

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EXPERIENCE

Software Developer   November 2024 – Present
PolicyAdvisor   *Oakville, Canada*

- Built EligibilityGPT and AdvisorGPT using LangChain with Claude Sonnet-4/GPT-4 and Pinecone vector embeddings; implemented context-aware conversations, persistent chat management, and OAuth authentication, delivering 80% improvement in advisor performance.
- Architected GitLab CI/CD pipelines with Docker containerization for automated AWS EC2 deployments; implemented Nginx reverse proxy with robust authentication protocols, reducing deployment time by 75% while enhancing security across staging and production environments.
- Engineered travel insurance comparison website using AI-accelerated development workflow (Cursor IDE, GPT-4, Claude Sonnet-4); developed real-time API integrations and intuitive quote comparison interface, achieving full-stack development from concept to production in 2 weeks.
- Designed a Python-based power dialer with a user-friendly GUI using Selenium, automating lead prioritization and reducing calling time for Advisors by 70%.
- Architected end-to-end data processing solution using Python/Pandas for ETL operations on insurance datasets; built automated reporting system with Zoho API integration and custom Deluge scripting, achieving 95% reduction in manual workflows.

AI Software Engineer   June 2024 – October 2024
Outlier.ai   *Toronto, Canada*

- Engineered prompt optimization strategies for LLMs, analyzing and refining AI-generated code across Python, JavaScript, and SQL to improve model accuracy and output quality for production systems.
- Evaluated the quality of AI-generated code, providing detailed summaries and actionable feedback to ensure adherence to best practices and coding standards. This led to a 20% reduction in code errors and improved overall code maintainability.
- Created and followed detailed rubrics to systematically assess code outputs across multiple parameters. Analyzed AI-generated responses, provided in-depth feedback, and authored corrected code samples to improve LLM training data quality and model performance.

Full Stack Developer   Sept 2019 – July 2022
TradeIndia   *Noida, India*

- Optimized system performance through Redis caching implementation, SQL query optimization, and lazy loading strategies; achieved 90+ Page Speed Insights score resulting in 50% performance boost and 28% SEO improvement
- Engineered high-performance ETL pipeline using Python multiprocessing for 1M+ product dataset processing; implemented transaction-managed bulk database operations ensuring data consistency and processing efficiency.
- Developed full-stack e-commerce platform with Django REST Framework and React, integrating Elasticsearch for 70% faster search performance; delivered 25% user engagement increase and actionable analytics through Matplotlib visualizations.
- Implemented automated CI/CD pipeline using Git, Docker, and Jenkins for AWS deployment; transformed release cycle from bi-weekly to daily deployments while reducing deployment time by 60%.

Software Developer   July 2018 – Aug 2019
Xlpat Labs   *Chandigarh, India*

- Refactored monolithic codebase to Django MVT architecture, establishing modular design patterns that reduced development time by 35% and improved code maintainability across 8-developer team.
- Automated critical business processes (ERP invoice generation, HR onboarding, performance appraisals) using Django framework; achieved 95% test coverage with PyTest, eliminating manual processing for 500+ monthly transactions.
- Implemented Agile/Scrum methodology with CI/CD pipelines and automated testing workflows, reducing production bugs by 40% and accelerating feature delivery cycles from monthly to bi-weekly releases.
- Led development team migration from SVN to Git with branching strategy implementation, establishing code review protocols that improved collaboration efficiency and reduced merge conflicts by 60%

Technical Skills

Languages: Python, JavaScript, TypeScript, NodeJS
Frameworks: React, NextJS, Django, Express, Angular
DevOps: AWS, Docker, GitLab, Jenkins, CircleCI
Databases: PostgreSQL, MongoDB, MySQL, Elasticsearch, MS SQL
AI Tools: ChatGPT, Claude, GitHub Copilot, LangChain, OpenAI API, Pinecone, Perplexity
Web Development: HTML5, CSS3, Bootstrap, JSX, React Hooks, jQuery
Deployment: AWS, Vercel, Heroku, Render
Developer Tools: Git, Visual Studio Code, Cursor, Postman, Vim Editor
Soft Skills: Problem-Solving, Effective Communication, Quick Learner, User-Centric Design

Education

Lambton College   Toronto, Canada
Post Graduate Diploma in Full Stack Software Development   *Sept. 2022 – April 2024*

Lovely Professional University   Jalandhar, India
Bachelor of Technology, Computer Science   *Aug. 2014 – May 2018*