Tarun Shukla

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Education

Vellore Institute of Technology
Bhopal

Bachelor of Technology in Computer Science & Technology | CGPA: 8.03   ***Sept 2021 – Present***

Technical Skills

Languages: Java | Python | JavaScript | TypeScript | SQL | ReactJS | NodeJS | ExpressJS | Spring | MongoDB |

Frameworks and Tools: Rest APIs | Amazon Web Services (AWS) | Generative AI | Web Sockets | Docker | Kubernetes | GitHub |

Projects

WebWeaver | *MERN with GenAI* | GitHub Link   ***Nov 2024 – Dec 2024***

- Designed "WebWeaver," a platform that generates and deploys websites using Anthropics API, Claude LLM, and
- Implemented a ReactJS frontend and a TypeScript/Node.js backend, integrating web containers for real-time previews
- Enhanced system functionality with AI-driven workflows, prompt engineering, and efficient GET/POST request handling

DigicapEx | *MERN* | GitHub Link   ***May 2024 – Jun 2024***

- Architected a cryptocurrency tracking and arbitrage platform inspired by CoinCap, utilizing ReactJS and WebSocket technology to deliver real-time price data and identify potential arbitrage opportunities across major digital assets.
- Developed a JWT user authentication system and financial data management infrastructure.
- Engineered an interface displaying comprehensive market metrics (volume, market cap, dominance) with initial implementation of arbitrage detection algorithm to identify price discrepancies across multiple trading pairs

Work Experience

Webbers Technologies LLP,   *Karnataka*

Position: Full Stack Web Developer Intern   ***Oct 2024 – Dec 2024***

- Developed responsive web interfaces using HTML5, CSS3, JavaScript, and React.js, contributing to the company's website revamp project
- Implemented modern frontend frameworks and integrated frontend solutions with backend APIs
- Collaborated with cross-functional teams to deliver high-quality web applications while following agile methodologies

Certifications

- Completed "Spring Boot 2.0 Essential Training" through LinkedIn Learning, mastering core concepts and best practices in Spring framework development. Link
- Attained AWS Certified Cloud Practitioner certification and AWS Solutions Architect – Associate certification, validating comprehensive understanding of AWS cloud fundamentals and services and demonstrating advanced proficiency in designing distributed systems on AWS. Link
- Earned "Docker for Developers" certification via LinkedIn Learning, gaining practical expertise in containerization and Docker implementation. Link
- Acquired AWS Certified Generative AI with Large Language Models certification, mastering implementation of AI/ML solutions on AWS. Link

Achievements

- Maintained 150+ days coding streak | University Rank < 300 | Solved 200+ DSA problems across Java and Python | Profile: geeksforgeeks.com
- Secured HackerRank SQL Advanced Certification, validating expertise in complex database querying and SQL optimization. Link
- Delivered projects that directly contributed to enhancing efficiency and productivity, showcasing my ability to drive real-world impact and adapt to industry standards.