Kushagra Sisodia

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EXPERIENCE

Amazon Machine Learning Summer School — Trainee | ML Algos, Deep Learning, Data analysis   *Aug 2025-Present*

- Completed intensive, 3.5-hour daily sessions on core ML concepts including Supervised & Unsupervised Learning, Deep Neural Networks, and Generative AI with LLMs, under mentorship from Amazon scientists.
- Applied dimensionality reduction, sequential learning, and causal inference to real-world datasets through hands-on labs and interactive Q&A, boosting practical Data-driven decision making
- Demonstrated advanced proficiency through project-based assignments, focusing on designing and deploying ML models to solve business-relevant challenges.

Software Development Engineer Intern | Parth Universal Pvt.Ltd, Gurugram   *Jul 2024-Dec 2024*

- Led the front-end optimization of *OneCricketWeb CMS*, enhancing load times by **40%** and reducing JavaScript bundle size by **25%** using code-splitting and lazy loading techniques.
- Delivered clean, scalable, and well-documented codebase using modern JavaScript (ES6+) and React best practices, contributing to a **20% onboarding time reduction** for new developers.

TECHNICAL SKILLS

JavaScript (ES6+), TypeScript, React.js, Node.js, Express.js, MongoDB, PostgreSQL, RESTful APIs, Redux, HTML5, CSS3, Tailwind CSS, C++, Python, JWT Authentication, Firebase, Machine learning

PROJECTS

Workwise | JavaScript, React, Tailwind, Vite, AUTH Provider   *Apr 2025*
- Built a responsive Employee Management System (EMS) using React, enabling real-time task assignment and progress tracking for administrators and employees.
- Designed a modular component architecture with reusable UI elements, improving development efficiency and maintainability by **50%**.
- Optimized task workflow and user experience through intuitive interfaces and conditional rendering, boosting task completion reporting by **40%**.

PACER Quest | MERN Stack, Typescript, JWT Auth, Performance Optimization   *Jan 2025*
- Engineered full-stack flashcard and topic-based quiz generation application serving students and educators based on React frontend and Node.js/Express REST API.
- Architected MongoDB schemas with indexing, reducing query times by **40%** for user progress tracking.
- Boosted rendering performance by **60%** through React virtualization techniques for large datasets.

Prompt Forge | AI Prompt Engineering Platform, Open Router API, Firebase, Next.js, Typescript   *Oct 2024*
- Developed a full-stack AI tool that auto-applies 3+ advanced prompt engineering frameworks (RSTI, TCREI, TFCDC), improving prompt clarity and success rate by **45%**.
- Initiated a real-time prompt transformation engine with vital explanations, reducing user prompt iteration time by **45%**
- Future development focuses on Firebase-based sync system, enabling secure prompt storage, versioning, and multi-device access up to 1000+ users.

EXTRA-CURRICULAR

- **Tech Lead**: NULL VIT Bhopal Student Chapter - Led the planning and coordination of SECVIT 24 as part of the club, overseeing logistics and participant engagement for 300+ attendees and delivering two high-impact cybersecurity workshops.
- **Coordinator, Cricket team Vice Captain**: Cultural and Sports Events – Led university-level cultural and major campus events at VIT Bhopal, efficiently managing logistics and engagement; Awarded: Gold Medalist in Aarambh Inter-Sports Cricket Tournament.
- **Core Member HR Team**: Data Science Club - Organized and facilitated Data Science Club events, technical workshops, and community service initiatives, promoting data literacy, collaboration, and alignment with the club's mission.

EDUCATION

VIT Bhopal University   Bhopal, MP
Bachelor of Technology in Computer Science and Engineering – CGPA: 8.70   *Nov 2022 – Present*