Aditya Surya Bhaskar Reddy Kovvuri

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SUMMARY

Full-stack software developer skilled in React.js, Node.js, TypeScript, and GenAI (Gemini, ChatGPT, Vertex AI), experienced in building real-time APIs, AI automation tools, scalable microservices, and applying strong data structures and algorithms (DSA) skills to deliver efficient solutions. Also proficient in developing agentic AI applications using LangChain and LangGraph, creating custom agents and tools for complex task orchestration.

EXPERIENCE

Junior Software Engineer
YuppTV Inc.   **August 2024 – Present, Hyderabad**

· Engineered **advanced chat streaming APIs** and **integrated large language models** (Gemini, ChatGPT, Vertex AI) to deliver real-time, AI-enhanced conversational experiences, positioning the platform at the forefront of GenAI-powered applications.
· Designed and developed **agentic AI systems** using **LangChain** and **LangGraph**, building custom agents and tools that automated complex workflows and enhanced end-user interaction.
· Designed and implemented highly **interactive**, data-rich dashboards and **complex UI features** using React.js and CSS-in-JS, significantly elevating user engagement and delivering seamless cross-device responsiveness.
· Refined CI/CD pipelines by **integrating automated testing** and deployment scripts, which shortened release cycles and **reinforced application stability** in production environments.

Junior Engineer
Phoenix Global   **April 2023 – August 2023, Hyderabad**

· Leveraged **advanced data analytics techniques** to extract actionable insights from **complex COVID-19 datasets**, significantly enhancing decision-making processes for business stakeholders.
· Designed and deployed dynamic, interactive **dashboards in Tableau and Power BI**, transforming raw data into visually compelling stories that increased executive engagement and data-driven strategy **adoption by 30%**.
· Conducted **deep-dive exploratory data analysis** to uncover hidden patterns and correlations, enabling proactive identification of key trends and **supporting predictive modeling** initiatives.

SKILLS

Frontend Development & Databases: React.js, Next.js, Bootstrap, HTML/CSS, JavaScript, Tailwind CSS, Electron.js, SQL, NoSQL
Backend Development & APIs: Node.js/Express.js, RESTful APIs, Chat streaming APIs, API integration, Django, JWT, Microservices
 GenAI & LLMs: Prompt engineering, fine-tuning & integrating LLMs, AI model evaluation & testing, agentic AI frameworks (LangChain, LangGraph)
Programming Tools: Git, Jira, Vertex AI, DBeaver, Cursor, Postman, Jenkins

PROJECT

Social Publish Automation Platform
TechStack : React JS , Next JS , NodeJS , Postgres SQL

· Developed an AI-assisted publishing tool to **automatically post content** across multiple social media platforms (YouTube, Facebook, Instagram, LinkedIn, Twitter) from a single dashboard.
· Engineered features for **automatic generation** of SEO-friendly titles, descriptions, and hashtags using LLMs (e.g., ChatGPT, Gemini), significantly **improving publishing efficiency.**
· Designed a responsive UI and **integrated real-time feedback** for content, enabling marketing teams to automate repetitive workflows.

Signature Authentication System
TechStack : Python , OpenCV, CNN , Machine Learning Techniques and preprocessing

· Developed an AI-powered signature authentication system leveraging **computer vision** and machine learning, significantly improving accuracy in **verifying handwritten signatures**.
· Collected and **preprocessed signature datasets** with OpenCV, applying noise reduction, binarization, and normalization to **enhance data quality** for model training.
· Engineered a **Convolutional Neural Network (CNN)** to analyze extracted features like stroke patterns, angles, and pressure points, **enabling reliable detection** of forged signatures.

EDUCATION

Bachelor of Technology in Computer Science
GITAM Deemed University · Visakhapatnam · 2024 · 8.5

Intermediate
Sasi New Jen Junior College · Velivennu, Andhra Pradesh · 2020 · 9.4

Secondary Education
St. Anns E.M School · Tadepalligudem , Andhra Pradesh · 2018 · 9.8