UDAY KIRAN REDDY MAVURI

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PROFESSIONAL SUMMARY

Results-driven Software Developer specializing in AI/ML with 1+ year of professional experience designing and deploying machine learning solutions. Proven track record in full-stack development using Python, FastAPI, React.js, and cloud infrastructure. Oracle Certified Generative AI Professional with expertise in LLMs and deep learning. Passionate about leveraging cutting-edge technologies to solve complex problems and drive innovation.

PROFESSIONAL EXPERIENCE

Software Developer - AI/ML   **August 2024 - August 2025**

IRAX Tech Private Limited, Hyderabad, Telangana, India

- Designed, developed, and deployed multiple end-to-end AI/ML solutions, consistently exceeding project expectations and delivering measurable business impact
- Built and optimized machine learning models for predictive analytics, improving accuracy and performance metrics through advanced feature engineering and hyperparameter tuning
- Developed full-stack applications using FastAPI and React.js, creating scalable RESTful APIs and responsive user interfaces with Tailwind CSS
- Collaborated with cross-functional teams to identify business requirements, architect ML pipelines, and integrate AI solutions into production environments

KEY PROJECTS

- **AI Storyworld Generator – Full-Stack Web App:** Built responsive web applications using React.js frontend with FastAPI backend, implementing authentication, database integration, and RESTful API design
- **Automatic Duplicate Question Detection - Deep Learning:** Implemented neural network architectures for complex classification tasks, optimizing model performance and reducing inference time
- **Bitcoin Price Prediction – Machine Learning:** Developed ML models for forecasting and pattern recognition, achieving high accuracy through ensemble methods and advanced preprocessing techniques

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, HTML, CSS
Frameworks & Libraries: FastAPI, React.js, TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy
Technologies: Machine Learning, Deep Learning, Large Language Models (LLMs), RESTful APIs
Tools & Platforms: Git, Oracle Cloud Infrastructure (OCI), Tailwind CSS, Docker
Databases: SQL, PostgreSQL, MySQL
Specializations: Predictive Analytics, Natural Language Processing, Computer Vision, Cloud Deployment

CERTIFICATIONS

- **Oracle Cloud Infrastructure (OCI) Generative AI Certified Professional** - Oracle
- **PCAP – Programming Essentials in Python** - CISCO Networking Academy
- **Front-End Web Development** - Reliance Foundation Skilling Academy
- **AI for Everyone** - Coursera

EDUCATION

Bachelor of Technology in Computer Science and Engineering (AI-ML)
June 2020 - May 2024

JNTU - Kakinada, SRK Institute of Technology, Andhra Pradesh, India