Pragna Priyatham Kandula

PROFESSIONAL SUMMARY

A skilled Full Stack Django Developer with over 5 years of experience specializing in Python, Django, and cloud technologies. Expertise in developing and deploying scalable web applications, integrating front-end and back-end systems, and managing databases. Proficient in creating efficient RESTful APIs, enhancing user experiences with modern front-end technologies, and utilizing cloud platforms like AWS. Strong background in optimizing performance, ensuring security, and implementing data-driven solutions for complex business challenges.

TECHNICAL SKILLS

Frontend: HTML5, CSS3, XML, Bootstrap3, AJAX, DOM, jQuery, Angular.js, Bootstrap

Backend: Python, Django, PHP,Laravel, RESTful services

Tools & Other Skills: Visual Studio, Eclipse, PyTest, PyCharm, Jupyter, Anaconda, Jenkins, Ansible, Docker, Kubernetes, Terraform, Splunk, CloudWatch

AI/ML & Data Science: NumPy, Pandas, matplotlib, Scikit-learn, TensorFlow, Django-otp, Generative AI, NLP, Web Scraping (BeautifulSoup, Requests, Selenium)

Databases & Cloud: SQL, MySQL, MongoDB, Snowflake, AWS, GCP

PROFESSIONAL EXPERIENCE

Web Developer- University of North Texas   **June 2023-Dec 2024**

- Developed and maintained Django-based web applications for university websites, ensuring seamless functionality and user experience.
- Enhanced website performance by optimizing backend logic, database queries, and API integrations.
- Collaborated with faculty and administrators to implement custom features and improve web accessibility.

Software Developer - Andhra Pradesh Grameena Vikas Bank (IT Department)   **Oct 2020- Nov 2022**

- Developed full-stack web applications using Django, Laravel, and MySQL to enhance banking operations and customer services.
- Designed and optimized RESTful APIs for seamless integration between frontend and backend systems.
- Implemented authentication and security measures in web applications, ensuring data protection and compliance.
- Automated workflows and data processing using Python scripts, improving efficiency in banking processes.

Software Engineer - Infosys Limited, Hyderabad   **June 2016- Aug 2020**

- 2 years of experience in windows administration, a support team for maintenance of development and
- Developed and maintained full-stack applications using Python, Django, and MySQL for data-driven solutions.
- Optimized database queries and implemented automation scripts to improve system performance and reduce manual effort.
- Collaborated with cross-functional teams to integrate backend services with web applications.
- Worked with Agile methodologies to deliver scalable and efficient software solutions.

PROJECTS

Device Recommendation system: **Aug 2024-Dec 2024**

- **Full-Stack Development**: Built a Django-based device recommendation system with MySQL, TypeScript, and Tailwind CSS for a seamless user experience.
- **AI-Powered Recommendations**: Integrated machine learning with advanced retrieval-augmented generation (RAG) techniques and large language models (LLMs) like Mixtral and LLaMA for highly personalized device recommendations.
- **Optimized Query Processing**: Developed an efficient SQL query generation module, leveraging AI to ensure accurate and fast data retrieval, improving system performance and user satisfaction.
- **Achievement**: Achieved nearly 90% accuracy in device recommendations, significantly improving user satisfaction and engagement.

EDUCATION

Masters in Data Science, University of North Texas, Texas, USA | GPA: 3.83 | 2023-2024