PRATHYUSHA GADI

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https://pek-1.github.io/portfolio/

SUMMARY

Master's student in Technology, seeking full-time jobs as of June 2025. Dedicated to creating web applications that combine neat front-end interfaces with robust back-end solutions. Enthusiastic to learn, collaborate with skilled teams, and transform ideas into functional effective solutions. Seeking to apply skills and innovate while furthering professional growth in a fast-paced company.

EDUCATION

Chicago State University, Chicago, USA
Master of Science in Computer Science   **GPA: 3.90**
Relevant Coursework: Big Data Technology, Software Project Management, Algorithm & Software Engineering with Web Applications, Quantum Computing, Advanced TCP/IP Network Architecture, Advanced Software Engineering, Generative AI, Advanced Database Implementation

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript (basic) || **Frontend:** HTML5, CSS3, Bootstrap || **Backend:** Flask, Django || **Databases:** MySQL, MongoDB || **DevOps & Tools:** Docker, Git, GitHub, Postman || **Cloud & APIs:** AWS (EC2/EMR/SageMaker), REST API || **AI/ML:** Scikit-learn, TensorFlow, Pandas, NumPy, SVM, CNN, Deep Learning, NLP, Prompt Engineering || **Data & Analytics:** MS Excel, MS Project || **Agile Methodology**

EXPERIENCE

Software Engineer | Rayon Technology Solutions   2021 – 2023

- Developed and maintained scalable full stack web applications with Python, Django, and REST APIs, improving system performance by 15%.
- Collaborated with frontend and mobile teams to provide frictionless API integrations and seamless user experiences.
- Wrote readable, well-structured code and participated actively in agile ceremonies such as daily standups and pair programming.
- Participated in system design discussions and implemented backend features with security, reliability, and scalability in mind.
- Collaborated with technologies such as Docker, PostgreSQL, and CI/CD pipelines to achieve production-grade deployment and delivery practices.

Project Manager– Excelerate (2023): Applied Agile methodology, led Scrum sessions, and planned the SDLC for a tech project based on time/resource constraints and interdependencies.

PROJECTS

- Developed core modules of Trip Trek, a travel portal developed using Flask and JavaScript, with AI-powered itinerary generation based on user interest.
- Created Innadine, an interactive restaurant website built with React.js and Express.js, featuring dynamic menus, reservations, and engagement.
- Created a complete e-commerce website with AngularJS frontend and Django backend that includes product catalogues, user login, cart, and secure payment.
- Developed a responsive portfolio website using React.js and Tailwind CSS to present skills and projects with optimized

ACHIEVEMENTS AND CERTIFICATION

- **Leetcode:** Solved 50+ algorithm and data structure challenges, strengthening problem-solving and coding efficiency skills critical for software engineering roles.
- **Docker Foundations Professional Certificate** (Docker, 2025): Demonstrated proficiency in containerization, image management, and deployment workflows for scalable application delivery.
- **AWS Academy Graduate – Machine Learning for NLP** (Amazon Web Services, 2024): Completed rigorous training on cloud-based machine learning models and natural language processing techniques, enhancing AI integration capabilities.
- **Top 5% in NPTEL "Joy of Computing with Python":** Validated strong programming fundamentals and Python expertise through a highly competitive examination.