SAI KALYAN TARUN TIRUCHIRAPALLY

+1(850) 759-6605 ◇ Tallahassee, FL

tarunsaikalyan@gmail.com ◇ https://kalyantarun.github.io/ ◇ linkedin.com/in/kalyantarun

OBJECTIVE

I'm a highly motivated full-stack developer experienced in crafting robust and user-friendly applications. My experience spans both back-end and front-end development using Java, Python, JavaScript, SpringBoot, React.js, Node.js, Typescript, Angular, AWS and modern web design practices, along with a strong focus on writing clean, testable code. I'm a fast learner and welcome the opportunity to expand my skillset in areas of cutting-edge technologies, constantly evolving alongside the industry.

EDUCATION

Master of Computer Science, Florida State University - GPA: 3.9   Aug 2022 - May 2024
Relevant Coursework: Computer Networks, Data mining, Data science, Artificial intelligence.

Bachelor of Computer Science, Jawaharlal Nehru Technological University - GPA: 3.7   Aug 2015 - Jun 2019
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Distributed Systems.

TECHNICAL SKILLS

Programming Languages	Java, .NET, Javascript, Python, Typescript, HTML, CSS, MYSQL, PHP
Frameworks	React, Redux, Django, Node, Angular, REST APIs
Platforms	AWS (ECS, S3, Lambda, Cloudfront, API Gateway), Docker

EXPERIENCE

Full Stack Developer   Feb 2024 - May 2024
BeautyTrak   *Tallahassee, FL*

- Leading the design and development of the business application.
- Utilized a versatile technology stack encompassing JavaScript, Typescript, React, NextJS, WordPress, Figma, PHP, SQL, HTML, CSS, and JQuery.

Full Stack Developer   March 2019 - Aug 2022
Amazon   *Hyderabad, India*

- Spearheaded the creation of a self-serve application that revolutionized manual transportation network procedures for Amazon. This innovative solution streamlined onboarding for external carriers, resulting in expedited deliveries for customers.
- Led a cross-functional project involving over 10 teams, providing guidance, architected microservices, code reviews, and knowledge sharing, ensuring seamless integration and development.
- Thrived in high-pressure scenarios with tight release schedules, ensuring that all feature implementations were rolled out with full client transparency.
- During my internship, I gained profound insights into Amazon's transportation network purchase flows. Leveraging this knowledge, I orchestrated a major overhaul of the carrier migration process, reducing its duration by an impressive 30%.
- My contributions were powered by an array of cutting-edge technologies, including Java, JavaScript, Typescript, Angular, ReactJS, Redux, Jest, Junit webpack, Babel, React Testing Library, Mockito, AWS services (S3, Lambda, ECS, CloudFront, Route53), Java, Python and Spring Boot.

Software Development Intern   Oct 2018 - March 2019
Epam Systems   *Hyderabad, India*

- Played an important role in advancing the company's internal toolset. Throughout my tenure, I actively engaged with a diverse array of international clients and contributed to multifaceted projects.
- Demonstrated adaptability by quickly acquiring proficiency in a spectrum of technologies, including C# and Asp.Net.

- Employed industry-leading methodologies such as CI/CD and Agile to optimize project workflows, resulting in enhanced efficiency and collaboration.

Software Engineer Intern   Aug 2018 - Oct 2018
OpenText Technologies   *Hyderabad, India*

- Significantly contributed to the company's product, Content Server, by spearheading the implementation of automation test cases using Selenium and Java.
- Instrumental in enhancing product quality and efficiency through the successful implementation of automated test cases.
- Gained valuable expertise in Test Driven Development (TDD), ensuring a rigorous and systematic approach to software testing.

PROJECTS

The Art and Science of Emulated Networks : Florida State University

- Simulated bridges, routers, and stations, providing a versatile platform for network exploration. It employs a star-wired LAN topology, integrating broadcast Ethernet LANs and IP networks.
- With features like a self-learning process and dynamic connection handling, the emulator serves educational and research purposes. Its implementation, utilizing socket programming and efficient ARP handling, enables users to gain hands-on experience in networking concepts.

Active Learning using Mind Reading and MMI data : Florida State University

- Implemented linear regression model using random sampling and uncertainty based sampling.
- For each data-set, plotted one graph containing the performance of Random Sampling and Uncertainty-based Sampling (on the same graph), Averaged over the three runs.
- Uncertainty-based algorithm wins by 7% in accuracy than random sampling.

Movie Review Predictor

- Developed a cutting-edge machine learning algorithm for predicting movie reviews by leveraging Natural Language Processing (NLP) techniques and employing advanced classification algorithms including Bernoulli and Logistic Regression.
- Trained the classifier on a Kaggle dataset containing both positive and negative reviews.

Online News Popularity

- Created a machine learning model to forecast article popularity pre-publication.
- Employed a range of regression and classification algorithms, including Linear Regression, Decision Trees, Random Forest, and Artificial Neural Network, to enhance prediction accuracy. Crafted a user-friendly UI using Flask.

Optical Character Recognition

- Created an efficient machine learning algorithm using SVC to convert handwritten text into machine-readable format.

Vision 24/7

- Designed and developed a student monitoring web application, employing HTML, CSS, JavaScript for the front-end, and PHP with MySQL for the back-end and database management system.

CERTIFICATIONS

- Oracle Certified Associate Java SE - 8 Developer
- Business English Certification From Cambridge (PRELIMS and VANTAGE)