

Highly skilled, adaptable and results-driven software engineer with expertise in system design, backend development, machine learning, and natural language processing. Seeking a challenging role to lead and contribute to software development projects, leveraging technical expertise, leadership abilities, and a strong passion for innovation.

### SKILLS

<b>Programming Languages</b>	Python, GoLang, JavaScript(Basic).
<b>Databases</b>	MySQL, DynamoDB, ElasticSearch.
<b>Other</b>	System Design, MLOps, NLP, (OOP) Object Oriented Programming, AWS, Terraform, S3, EC2, SageMaker, Lambda, DynamoDB, GCP, Cloud Run, GKE, Kubernetes, Docker, FastAPI, Pytorch, Nvidia Triton, Scrapy, Apache Airflow, Git, CI/CD, HTML, CSS, Kafka, RabbitMQ, DataDog.
<b>Soft skills</b>	Communication, Collaboration, Adaptability, Leadership.

### TECHNICAL EXPERIENCE

<b>Software Engineer</b> <i>See Tickets Benelux</i> <ul style="list-style-type: none"><li>Improve merchant experience for SaaS offering</li><li>Optimise SQL queries</li></ul>	<b>12/2023 — Present</b> <i>Amsterdam, Netherlands</i>
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<b>Senior Software Engineer</b> <i>Cactus Communications</i> <ul style="list-style-type: none"><li>Improved autoscaling of a async <b>event-driven service</b> by utilizing caching techniques and predictive scaling policies on AWS</li><li>Developed a modular template to implement <b>CI/CD pipeline</b> using <b>Jenkins</b> and <b>github</b> actions</li><li>Developed a suite of Generative AI based features using llama and OpenAI APIs</li><li>Led <b>architectural design</b> for AI translation services, delivered a <b>scalable</b> and <b>reliable</b> design</li><li>Led a team of four, acted as a bridge between product and developers fostering a collaborative and high-performance environment</li></ul>	<b>06/2023 — 11/2023</b> <i>Mumbai, India</i>
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<b>Software Engineer</b> <i>Cactus Communications</i> <ul style="list-style-type: none"><li>Developed <b>NLP</b> modules to improve accuracy of machine translation model</li><li>Improved logic of rule based spellcheck post-processing module, increased accuracy by <b>40%</b></li><li>Developed an automated <b>lambda</b> pipeline to scrape data and update data source, exposed as <b>REST API</b> via Lambda</li><li>Developed custom module for synthetic data generation and data augmentation using <b>Apache airflow</b></li><li>Automated infrastructure provisioning using <b>Terraform</b>, developed reusable modules</li><li>Developed real-time scalable REST API using <b>FastAPI</b>, capable of supporting <b>100TPS</b></li><li>Improve inferencing of sequence translation model by <b>50%</b> using Torch JIT and low level compiler</li></ul>	<b>08/2020 — 06/2023</b> <i>Mumbai, India</i>
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<b>Junior Developer (Intern)</b> <i>Ajackus</i> <ul style="list-style-type: none"><li>Created a dynamic <b>web scraping</b> pipeline, setup serverless cron job to seamlessly refresh data at regular intervals</li><li>Developed Information Extraction module to extract data from unstructured text with an <b>accuracy of 85%</b></li></ul>	<b>06/2019 — 08/2019</b> <i>Mumbai, India</i>
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### EDUCATION

<b>Bachelor of Engineering, Electronics and Telecommunications</b> <i>Dwarkadas J Sanghvi College of Engineering, Mumbai University.</i>	<b>2016 — 2020</b> 7.6/10 GPA
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### PROJECTS

<b>Automated test paper correction</b> <i>End to end paper correction solution for Teachers/Universities.(IIRA-2021)</i> <ul style="list-style-type: none"><li>Implemented OCR using CNN and integrated Google Vision for improved accuracy, developed interactive and fluid UX with VueJs, and served using a Flask backend, resulting in a 60% reduction in human intervention.</li></ul>
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### CERTIFICATIONS AND RECOGNITIONS

- Awarded 'Rising star of the year' for excellent performance at Cactus Global.
- 'Machine Learning for business Professionals' by Google cloud - Coursera.
- 'Machine Learning Foundations: A Case Study Approach' by University of Washington - Coursera.

### ACTIVITIES

- Head of Technology - D.J Literary committee.
- Participated and runner-up in multiple fitness competitions at local gym.
- Engaged in organizing and serving meals to residents, participating in donation drives, and assisting in community outreach programs.