

# Chaitanya Bhagwat

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## Education

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### Indian Institute of Technology (IIT), Hyderabad

**Bachelor of Technology, Electrical Engineering** | Aug 2015 - Apr 2019

**Bachelor of Technology, Engineering Physics** | Aug 2015 - Apr 2019

**Courses:** C/C++, Algorithms, Data Structures, Operating Systems, Intro to AI/ML, Probabilistic Graph Models

## Professional Experience

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### SALESFORCE.COM | Hyderabad

**Member of Technical Staff - Tableau Performance Foundation Team** | Jan 2021 – Present

As the founding engineer of this team, my team and I built a suite of monitoring applications to test, track, and diagnose application performance in Tableau and CRM Analytics (Salesforce Business Intelligence products)

- Built and deployed a product that ingests logs and metrics and detects performance regressions
  - bootstrapped the backed using Java, bash, docker and kubernetes, implemented system profiler using sysstat
  - built a Performance Dashboard in React - used by 40+ developers and performance engineers from 4 teams to diagnose their service's performance
  - implemented connectors for Splunk, Presto, OpenTSDB and set up profiling in 1st party servers and AWS pods
  - built a configurable YAML-based rule engine for developers to fine tune thresholds for their services
  - built automation around performance tests and integrated CI/CD to prevent any regressions being committed
- Improved performance metrics pipelines (ETL tool) that power product teams to monitor prod performance
  - refactored components of performance pipelines to Python, increasing maintainability, and improved pipeline performance (end-to-end time) by 30%, reducing error/bug occurrences by 40%

**Associate Member of Technical Staff - Industries Retail Apps Team** | July 2019 – Jan 2021

Salesforce Visits is a framework designed to support retail teams with deliveries, inspections, and visits.

- Worked on Salesforce Core (Java + WebComponents) as a full-stack engineer
- Built a generic task framework - adopted by 3 core products to create customer-facing apps using task templates

### GOLDMAN SACHS | Bengaluru

**Software Engineering Intern - Securities and Derivatives Team** | May 2017 – July 2017

Migrated the service from a proprietary monolithic app to a microservice using Vert.x (Java). My intern project was on an ID store which assigned unique IDs to derivatives. This started out as a single service, which I converted to a distributed microservice.

### 14 TREES FOUNDATION | Pune

**Software Developer | (Volunteering, Part Time)** | Jan 2021 – Oct 2022

As the only software developer, built the entire IT operations for this NGO from scratch

- Built the website with VueJs and a dashboard in NextJS for donors to track their contribution and get updates
- Implemented a payment portal and integrated various payment providers to collect donations
- Built the API with AWS EC2 and AWS Lambda and designed the database schema on MongoDB
- The website has over 300 DAU and the internal portal is used by a team of 10 volunteers to manage operations

## Projects

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**BLIND IMAGE QUALITY ASSESSMENT** | APR '17 - DEC '17: Developed and tested CNN models on Blind Image Quality Assessment tasks

**LIGO SEISMIC ISOLATION** | AUG '17 - DEC '17: Studied Newtonian Noise isolation systems in Advanced LIGO (used to detect gravitational waves) with a member of the LIGO Scientific Collaboration (LSC)

**HULT PRIZE SINGAPORE REGIONALS** | AUG '17 - MAR '18: Led a team of 4 to create a business model and prototype for expanding rural connectivity in India, competing at the Hult Prize, Singapore alongside 50 student teams from all over the world.

## Skills

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**Languages:** Java, TypeScript, Python, Bash, Rust, C/C++, Go

**Tech Stack:** AWS, Git, Docker, Kubernetes, React.js, Next.js, Vue.js, Spring, Postgresql, MongoDB