

# BHARATH BHASKAR

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## EDUCATION

**Northeastern University**, Boston, MA

*Master of Science in Information Systems*

*Sep 2023 - May 2025*

**PES University**, Bangalore, India

*Bachelor of Technology in Electronics and Communications Engineering; GPA: 3.6/4.0*

*Aug 2017 - May 2021*

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## EXPERIENCE

**Software Development Engineer, Module Lead** | *Mphasis Ltd.* | Bangalore, India

*Jun 2021 – May 2023*

- Engineered resilient object oriented microservices in Java 11 with Spring Boot and Angular 11, exposing shipping, transit, and customs APIs; personally authored 350+ unit/integration tests
- Redesigned legacy systems into a Kafka based microservices architecture for real time data streaming, boosting response times by 30% and maintaining 99.9% uptime
- Drove **CI/CD standardization** on AWS EKS with Docker, Helm, and GitHub Actions, shrinking average deploy time by **25 %** and enabling daily production releases
- Composed a Grafana+Splunk real time dashboard to visualize Fedex Logistics, with 99 % of panels having a latency of under 120 ms
- Mentored five engineers, facilitated Agile Scrum ceremonies, and authored pull request templates that tripled code review throughput

**Research Intern** | *Electronics and Radar Development Establishment* | Bangalore, India

*Sep 2020 – Mar 2021*

- Refactored MATLAB signal-processing models into Python microservices; containerized with Docker and orchestrated on **AWS EC2 Auto Scaling**, improving threat-detection speed 22 %
- Built a FastAPI + PostgreSQL backend for real-time radar data analysis with countermeasure logic, visualized via Streamlit, and integrated ELK for logging, boosting operational efficiency by 30%

**Analyst Intern** | *Calixto Systems* | Bangalore, India

*Jun 2020 – Jul 2021*

- Designed serverless ingest pipelines (S3 to Lambda to Redshift) with CloudWatch driven job scheduling, processing 1 M+ records/day
  - Automated Power BI dashboards, improving real time analysis accuracy by 95%
  - Migrated over 500K Salesforce CRM records to Snowflake with AWS Redshift integration, enhancing cloud storage capabilities
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## PROJECTS

**Cloud Native WebApp** | GCP, Flask, Python, Terraform, DNS, Packer, CI/CD | [GitHub](#)

*Jan 2024 – May 2024*

- Developed secure RESTful APIs with JWT authentication; achieved 90% test coverage using pytest
- Authored reusable Terraform (IaC) modules to provision GCP resources (Compute Engine, VPCs, load balancers) in a standardized, repeatable manner, reducing manual configuration by 80%
- Provisioned complete environment with Terraform; enabled automatic container builds & blue/green deployments via GitHub Actions
- Deployed via GCP's Compute Engine with Packer images, reducing provisioning time by 50%
- Leveraged GitHub Actions for CI/CD, auto-scaling, and load balancing with GCP to ensure high availability
- Enhanced observability using GCP's Cloud Logging & configured autoscaling and load balancing ensuring reliability and scalability

**Eco Grid Tycoon** | React.JS, Go, Selenium | [GitHub](#)

*Apr 2025*

- Conceived an interactive map based platform that analyzes & compares the ecological impact of data center construction at physical locations
- Engineered RESTful endpoints in Go for real time data retrieval, integrated Selenium-scraped ecological and land pricing datasets, and **secured first place in the Sharkhack Hackathon**

**Selfless Acts** | Python, Docker, AWS, Flask, MongoDB, EC2

*Nov 2021 - Dec 2021*

- Orchestrated a fully integrated web application hosted on AWS EC2 with microservices implemented as REST APIs
- Managed a custom Orchestrator that performed load balancing, fault tolerance, and auto-scaling of Docker containers

**PricePulse:Real Time Price Platform** | Python, Node.JS, Streamlit, React.JS, SQL, Selenium | [GitHub](#)

*Mar 2025*

- Constructed Streamlit based insights dashboard using Javascript & React for an Australian company to track thousands of product prices
  - Implemented an admin panel to re-scan and dynamically add new products and companies, and created RESTful APIs to fetch pricing from backend scraper
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## TECHNICAL SKILLS

**Languages:** Java, Python, Go, C#, JavaScript, TypeScript

**Frameworks:** Spring Boot, Angular, Flask, React.JS, Node.JS, Express.JS, Next.JS, Vue.JS, SQL, NOSQL, Angular

**Cloud & DevOps:** AWS (EC2, S3, Lambda), Azure (AKS), GCP, Docker, Kubernetes, Terraform, Jenkins, Linux, Windows, Packer

**Databases & Tools:** MongoDB, Kafka, Grafana, Swagger, Postman, Power BI, Streamlit, Git, Jira, Redis, Redshift, Splunk