

GANESH RAM KESARLA SHANTHARAM

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Jan 2024 - Present | Product & Engineering Manager, Moniepoint Finance

- Built a team of Engineering Architect, Tech leads, & Engineers to build the new "Savings" product for the Kenya market
- 1200 Cr saved by 302K users so far; Currently leading the zero to one journey of Moniepoint UK payments & remittance product

Dec 2019 - Dec 2023 | Senior Tech Lead, KreditBee

- Leading a team of full-stack engineers working in React, GoLang, Redis, MySQL, and AWS. Built the team from scratch. Conduct standups, and regular meetings with the Business, Product, and Ops team.
- End to End Owner of KreditBeeCard (Impact: \$106M, 2M users), Gold Investments, SalaryAdvance Loans, E-NACH, Video KYC, GST, Mobile Trust Score, Electricity Bill, ITR V, Form-16. Developed an in-house micro-frontend framework; Built a CI to lint, test, and deploy apps onto dev/stage/UAT envs. Elicited requirements, Designed the architecture, coded complex solutions and took tasks to closure meeting hard deadlines. Established coding standards tailored to KreditBee.
- Conducted 200+ Technical & Behavioral Interviews for prospective Junior & Senior Software Engineers, and Tech Leads.

Dec 2018 - Aug 2019 | Factotum, Mayim (Startup at CMU): Built the crop monitoring IoT soln from scratch

Oct 2017 - Jun 2018 | Freelancer

Elicited Requirements, Designed Product Architecture, and Built the complete IoT and Web stack for DigiB that broadcasted location-based ads in tourist buses; Worked with BeatRoute, a logistics startup to develop a demand predictor (DNN) for better inventory management of local grocery stores.

May 2017 - Sep 2017 | Full Stack Engineer, CloudxLab

As a Full Stack Developer, built applications in Django, Angularjs & Bootstrap; Built a code evaluation application that involved a browser-based terminal, SSH Client, and a cloud-based REPL environment.

Sep 2016 - Apr 2017 | Founder & CEO, Entrochef

Entrochef is an online marketplace for on-demand home-cooked meals. The model was similar to Uber and Airbnb but in the food space. Based on the user's location, nearby home-cooked meals could be viewed and ordered. (Transformed the idea into → ~160 daily users).

May 2015 - Sep 2016 | Full Stack Engineer, AUTONINJA

Caused a ~10% increase in the revenue per client by solving a problem of parallel logins; As a Full Stack Developer, carried out requirement analysis with stakeholders and built end-to-end web applications involving Webhooks, Websockets, Audio Streaming, Internet Telephony, Authentication, Design of Databases, APIs, UI & UX; Owned repositories of 2 core features; Conducted Interviews & Training Sessions for Freshers. Led the development of an internet telephony feature that caused the company to scale to many clients.

May 2014 - Jul 2014 | Computer Vision Internship at QORQL, Digital Healthcare Startup

Researched and developed edge detection algorithms used in a scanner app on Android. Developed a custom heuristic algorithm to identify paper documents. Technologies - Matlab, OpenCV, Java

EDUCATION

CARNEGIE MELLON UNIVERSITY, SCS (Oct 2019)

Professional Masters in CS/Software Engineering

Courses: 17-651 Models of Software Systems, 17-652 Methods: Deciding What to Design, 17-653 Managing Software Development, 15-513 Introduction to Computer Systems, 16-720 Computer Vision; Engineering Data-Intensive & Scalable Systems, DevOps

Indian Institute of Technology (IIT) Roorkee (May 2015)

Relevant Coursework (GPA 9.6/10)

Computer Systems & Programming, Electrical Science, Fundamentals of Electronics, Mathematics-1, Mathematics-2, Numerical Methods, Optimization Techniques, Engineering Computation, Process Automation, Physics-1, Physics-2

SELECT PROJECTS

Facial Analysis - Emotion Recognition

Technologies - Tensorflow, Python, EC2-AWS

This project lays the foundation for a business idea: "capturing natural expressions of people while watching videos". Here, a convolutional neural network is trained to output certain confidence across a set of emotions, for a given input image.

Smart Office (IoT @ IITR)

Technologies - Raspberry Pi, Arduino, Zigbee, Apache, PHP, JS

To reduce the wastage of electricity at the student activity center, built a wireless network of sensors and actuators to monitor and control all the appliances over a web application. The sensor data retrieved in real-time was fed into a learning algorithm to understand the usage pattern and control the devices autonomously. The energy consumption decreased by 12%.

SKILLS: GoLang, React, MySQL, Javascript, AWS, DevOps, Product Design and Engineering

(Please refer to my [website](#) for a comprehensive list of projects, accomplishments, & leadership experience; [LinkedIn](#) for impact created.)

ACCOMPLISHMENTS [Child Prodigy, Tech Competitions, Academic Awards]

LEADERSHIP EXPERIENCE [Secretary of Artificial Intelligence Society, Class Representative, Teaching Assistantship]

SPORTS

Enjoy skating and was a prominent member of the In-line skating team of HEC at IIT Roorkee.