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Ruturaj Ramchandra Shitole

Software Engineer

Portfolio: [rutu-sh.github.io](https://github.com/rutu-sh)
github.com/rutu-sh
linkedin.com/in/rutu-sh

A Developer who builds tools for analysis and pipelines to make those tools meaningful.

EDUCATION

Bachelor of Engineering, Bangalore University

2016 — 2020

TECHNICAL EXPERIENCE

Software Engineer / DataLab

Mar 2022 — Present

Syncron

Bangalore, India

- In charge of developing and maintaining pipelines for Machine Learning use-cases
- In charge of developing and provisioning tools and microservices around Machine Learning and Data Analysis

Associate Software Engineer / Analytics BI and DataLab

Jan 2021 — Feb 2022

Syncron

Bangalore, India

- Designed and delivered microservices for internal products.
- Worked on designing end-to-end pipelines for Statistical and Machine Learning use-cases [Customer-Segmentation, Quotation-Guidance, Volume-Price-Mix-Analytis, Affinity-Analysis, Price-Quotations]. The pipelines would fetch, process and provide meaningful results. The results would then be displayed over our dashboarding and data-modeling tools.
- Worked closely with product owners and experienced the evolution of a product right from requirement-analysis to a deliverable.

Intern / Analytics BI

Jan 2020 — Dec 2020

Syncron

Bangalore, India

- Worked on backend for Business-Intelligence tools which would fetch, process and display the raw data in a more readable format
- Built and deployed several backend services over AWS
- Learned and experienced project management, software development life cycle and code organization and maintenance.

PROJECTS AND COMPETITIONS

ACM ICPC Asia Regional

Dec 2019

Bangalore University

Bangalore, India

- Participated in ACM ICPC
- Qualified for Asia Regional at IIT Kharagpur
- Secured 61 rank

Offline Kannada handwritten character recognition using Manifold Smoothing and Label Propagation

Aug 2019 — Sep 2020

Bangalore University

Bangalore, India

- Trained neural networks to recognize handwritten kannada characters
- Utilized a combination of feature regularization, augmentation techniques and label propagation to reduce reliance on training data
- Project URL: <https://github.com/rutu-sh/offline-handwritten-kannada-character-recognition>

E-Yantra 2016 Competition (From IIT-Bombay)

Oct 2016 — Apr 2017

Bangalore University

Bangalore, India

- Participated in E-yantra 2016 [Theme: Cross A Crater]
- Qualified to Stage-2
- Programmed the Firebird-V robot with a mechanical arm developed using servo motors
- Detected the arena using Computer Vision and calculated the moves for the robot to place the boulders and cross the crater.
- Project URL: <https://github.com/ceevaaa/Eyantra-2016>

SKILLS

Programming Languages

Python, C, C++, SQL

Tools and Frameworks

FastAPI, Linux, Docker, Terraform, AWS,

Communication

English, Hindi, Marathi