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# Ruturaj Ramchandra Shitole

Software Engineer

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

## EDUCATION

**B.E. in Computer Science and Engineering**, *Bangalore University* 2016 — 2020  
73.48%, *Distinction*

## TECHNICAL EXPERIENCE

**Software Engineer / DataLab** Jan 2022 — Present  
*Syncron Bangalore, India*

- Part of the Syncron.AI and DataOps division.
- In charge of developing and maintaining the infrastructure and services for Syncron's Data Platform.
- In charge of developing and maintaining microservices and infrastructure for Syncron's AI/ML platform.
- In charge of implementing PoCs for advanced analytics.

**Associate Software Engineer / Analytics BI and DataLab** Jan 2021 — Dec 2022  
*Syncron Bangalore, India*

- Developed microservices for internal use and tools for client use.
- Developed end-to-end pipelines for statistical and machine learning use cases and generating useful dashboards for analysis from raw data.
- 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*

- Developed backend for Business Intelligence tools.
- 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, achieving 99.13% accuracy.
- 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

<b>Programming Languages</b>	Python, C, C++, SQL
<b>Tools and Frameworks</b>	FastAPI, Linux, Docker, Kubernetes, AWS
<b>Communication</b>	English, Hindi, Marathi