

Dewashish Dharkar

Senior Software Engineer

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EXPERIENCE

SAMSUNG R&D INSTITUTE BENGALURU | SENIOR SOFTWARE ENGINEER

June 2019 – Current | Bengaluru, Karnataka

- Part of On-device AI team working on developing features for Samsung Neural SDK designed to accelerate deep neural network models on mobile devices.
- Enriching low latency C++ NPU/DSP backend for running 50+ Caffe, TensorFlow Machine Learning use cases.
- Analyzed the functionality and performance of competing products for suggesting changes in the SDK.
- Developed automation tools using Python and Shell script to perform benchmarks for Accuracy and Performance analysis of models which reduced the manual work time significantly.
- Worked with Docker, Anaconda, VirtualEnv to manage multiple package dependencies in Ubuntu.
- Part of Process Lifecycle Management team for monitoring, debugging and resolution of tickets on backend.

SAMSUNG R&D INSTITUTE BENGALURU | SUMMER INTERN

May 2018 – July 2018 | Bengaluru, Karnataka

- Worked on determining a best fit text similarity measure to find products with similar text fields.
- Used Word2Vec node.js packages to map products strings to vectors using best similarity measures.
- Used a K-NN graph to return the candidate strings in an optimized way.
- Secured Software Competency Advanced level Certificate.

PROJECTS

PRODUCT MANAGEMENT SYSTEM | JAVA, SPRINGBOOT, MYSQL

2020 | Personal Project

- Used Spring Initializr to create boilerplate code, Setup required Spring Boot dependencies on Eclipse EE.
- Worked with Spring JPA Repository APIs to perform CRUD operations on MySQL Database-Workbench.
- Wrapped Repository with Spring MVC layer and provided appropriate Spring Entities as HTTP response.
- Supported changes to API and provided links for HyperMedia driven states using Spring HATEOAS.
- Future work - Working on integrating React.js and Spring Affordances.

EXTRA CIRICULAR ACTIVITES

- as Event Head, Successfully conducted Enthusia 2016 Football events which saw over 500 participants
- as Sponsorship Head, Headed the sponsorship team for Enthusia 2016 sports festival secured sponsors like FM Gold ,Bandra Buzz.

SKILLS

PROGRAMMING

Proficient:

• Core Java • Python • C++

Experienced:

• Shell • C

Familiar:

• HTML • CSS

LIBRARIES/Frameworks

• SpringBoot

TOOLS/PLATFORMS

• Git • Perforce • Postman
• MySQL • Docker • Jira
• Anaconda

EDUCATION

VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE

BTECH - INFORMATION TECHNOLOGY

June 2015 - May 2019 | Mumbai

Cum. GPA: 8.18 / 10.0

D.G RUPAREL COLLEGE

HSC

May 2015 | Matunga Road

Percentage: 90.7 / 100.0

IES NEW ENGLISH SCHOOL

SSC

May 2013 | Bandra

Percentage: 93.8 / 100.0