Sainath Seelam

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Location : Hyderabad

Education

- **Indian Institute of Information Technology** — Allahabad, UP
  Integrated Dual Degree BTech+MTech in Information Technology; — *June 2015 - Aug 2020*
  Key courses: Operating Systems, Analysis Of Algorithms, Artificial Intelligence, Object Oriented Design, Database Management Systems.

Skills Summary

- **Languages**: Java, C++, Python, C, SQL
- **Tools**: Kubernetes, Docker, GIT, JIRA, Matlab, Postgres, MongoDB, Machine-learning, Deep-learning
- **Frameworks**: Java, Spring Boot, Mule-soft, Django, keras .
- **Cloud**: Pivotal Cloud Foundry, Jenkins CI—CD .

Experience

- **HSBC** — Hyderabad, TS
  Senior Software Engineer — *Sept 2020 - Aug 2022*
  - Worked on HSBCnet, an online banking platform for enterprises. I worked on developing Restful micro-services using java spring-boot and mule-soft to build secure endpoints to access customer Information.
  - **eStatements**: Designed and developed API and File transfer flows to extend the eStatements view/download feature to a new country.
  - **PDF generation**: Designed and developed PDF generation work-flow using open source IText to 10,000 cross-border wallet users to download their sharable account information PDF documents to facilitate cross-border payments.
  - **eStatements Generation**: Developed back-end API flows for creation of eStatements Using JReport, integrated national language support for HSBCnet users to view and download transaction details in their local languages.
  - **performance test**: Desinged and developed strategies for conducting data-breach and performance tests on system core APIs
- **NVIDIA** — Pune, MH
  Embedded Software Intern — *Jan 2020 - Feb 2020*
  - Worked on Tegra, an Soc used in mobile devices.
  - **Memory management**: Developed Benchmarking tool to visualize and compare performance of different open-source memory management libraries on Tegra Soc. C++, Python, Operating Systems.

Academic Projects

- **Class Imbalance in Medical Data-sets** — link
  Under Dr.Ranjana Vyas — *May 2019 - Aug 2019*
  - Conducted a machine-learning research on to mitigate the learning bias due to class-Imbalance in medical data-sets using ICPAR breast-cancer dataset.
  - **Nuclei Segmentation**: Segmented individual nuclei from the Histopathology Images using image processing techniques Blue Ratio Histogram, OTSU Thresholding, morphological operations, flood-filling and more.
  - **Training**: Implemented one-class classification using auto-encoders and two phase learning techniques.
- **Hand-Written Character Recognition** — link
  Under Dr.Pavan Chakraborthy — *May 2016 - Aug 2016*
  - Implemented an Optical Character Recognition system to digitize handwritten characters. Python, Tensor-flow, OpenCV and Multi-threading
- **Facepaper** — link
  Under Dr. Ranjana vyas — *May 2016 - Aug 2016*
  - A database management system. Implemented a social networking platform to post, comment and react to content. PHP, CSS, MySQL, JavaScript, HTML/CSS.

Honors and Awards

- secured 1st position in Hackathon conducted by HSBC where we proposed an automation solution to cross check the data from source to destination, 2020.