Nikitha Mandhana

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OBJECTIVE

Seeking for an internship in Software Engineering/Developer where I can put my technical skills using my academic knowledge.

PROFESSIONAL SUMMARY

- Software developer with 2 years of IT experience and successfully implemented several projects with responsibilities.
- Implementation knowledge of **Python**, Core **JAVA** design patterns and object-oriented principle.
- Experienced in responsive design and frameworks/libraries : Spring MVC, Spring Boot, and AngularJS
- Experience working with version control software like GIT and build tools Maven and Jenkins.
- Development experience on different IDEs like **Eclipse, IntelliJ, Visual Studio Code, Jupyter Notebook and PyCharm**.

EDUCATION

- **California State University**   Sacramento, CA   *Present*
  Master of Science, Computer Engineering   **GPA - 3.82**
  Coursework - Algorithms and Paradigms, Data Analytics and Mining, Artificial Intelligence.
- **Sapthagiri College of Engineering**   Bangalore, India   *2014-18*
  Bachelor of Technology, Information Science and Enginerring   **GPA - 3.7**
  Coursework – Database Management and System, Operating System, Web Technologies, and Core Java.

TECHNICAL SKILLS

- **Languages** : C, C++, Java, Python, Artificial Intelligence, Machine Learning, Algorithms and Data Structures.
- **Infrastructure** : Git, JIRA, Jenkins, Confluence.
- **Frameworks** : Spring, Spring boot, Hibernate.
- **IDE** : Eclipse, Visual Studio Code, PyCharm.

ACADEMIC PROJECTS

Predicting acute kidney injury after liver cancer resection (Python, NumPy, Pandas, Logistic Regression, KNN, SVM)
- Classification done using Logistic Regression, Nearest Neighbour, SVMs and Fully connected Neural Networks.
- Evaluated the performance of the models using various metrics such as confusion matrix and ROC curve.
- Implemented a more balanced dataset by using oversampling and undersampling techniques.

Dashboard to retrieve dumped log from database (Java, Core Java, Spring boot, MySQL, Postman, AngularJS, HTML, CSS)
- Developed the UI using AngularJS, HTML, CSS. Wrote Rest API using Spring boot to retrieve logs from MySQL.
- Connected to multiple databases to retrieve the logs and used custom query at service layer to get the data.
- Implemented pagination from backend to handle the large numbers of records.

Time series forecasting using NN, LSTM and CNN models (Python, Neural Network Model, LSTM, CNN)
- Used for predicting the stock prices for a continuous future period.
- Improved the accuracy using bidirectional LSTM and Attention layers.
- Build a transformer model for the same problem and compare accuracy with above models.

PROFESSIONAL EXPERIENCE

Nokia, *Software Engineer*   **Oct 2021 – June 22** *(Bangalore, India)*
- Worked on **COREJAVA** (Collections of type Generics, Array List, and several Data Structures) and used the Core packages.
- Used design patterns and OOPs in Java, velocity template engine to avoid prior compilation of files.
- Using core java worked on performance improvement and design of a tool named Config Checker.
- Executing regression **test suites** in Jenkins, running the test suite to ensure that build is not broken and debugging the failure Junit test case for the application
- Used **GIT** for version control across common source code used by developers.

Elektrobit India Private Ltd, *Associate Engineer*   **March 2020 – Sept 21** *(Bangalore, India)*
- Used velocity template engine in order to make the code more readable and avoid compilation of files in order to generate C source and header files.
- Writing **JUnit test cases** for the OS Generator code and testing for validation and Generation of files.
- Setting up and running of **Jenkins** job to test the code generation of OSNGG.
- Performing **Code Coverage Analysis** and reducing the profiling time for CC.