Arnabjyoti Kalita

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Tools

Programming Languages: C, Java, Python, C#, Prolog
Frameworks: Android, Oracle Fusion Middleware
IDE: Eclipse, Dev C++
Version Control systems: Github
Database tech: SQL, PL/SQL
Operating Systems: Windows, Linux

Projects

Developing a compiler for E–: Currently developing a compiler for the event processing language E–

Stock Performance Predictor: A stock-predictor using traditional supervised machine learning algorithms. Apple stocks were predicted with a Mean Absolute Percentage error of 10 over 1 year.

Catalog Application: Developed a content management system using the Flask framework in Python. Authentication is provided via OAuth and all data is stored within a PostgreSQL database.

Enhanced Virtual Keyboard Layout: This was an HCI project using Fitts Law and Bigram letter probabilities to analyze and design the best performing keyboard.

Training a smartcab to drive: Implement the basic q-learning code for the smartcab like developing the states and actions along with assigning rewards

Offline Examination System: This was an Android application to conduct offline examinations. XML Parsing was used to parse questions and answers. Timer mechanisms were also used.

Employment

Sony India Software Centre: (**Aug 2014-Jun 2016**): Management of the Common Distribution System application used by SONY DADC employees worldwide. Basic work involved in Oracle database -> using SQL and PL/SQL to query and modify code depending on requirements by customer.
Technologies Used : SQL, PL/SQL, Oracle Forms , Reports, Unix.

Education

B.Tech. Computer Science and Engg., NIT Silchar,2010-2014, **GPA : 3.56/4.00**.
Undergraduate highest GPA holder among 80 students.

Masters(Pursuing) Stony Brook University New York 2016-.
Courses Taken : Compiler Design, Analysis of Algorithms, Programming Complex Algorithms, Computing with Logic

Nanodegree: Udacity, Machine Learning March-July 2016