Dev Nalwa

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Education

Grinnell College   *Grinnell, IA*
B.A. COMPUTER SCIENCE & CONCENTRATION IN STATISTICS   *Expected May 2020*
- **Relevant Coursework:** Object-Oriented Problem Solving, Data Structures & Algorithms, Discrete Structures, Artificial Intelligence, Data Mining, Imperative Problem Solving, Software Design & Development, Applied Statistics.

Skills & Interests

- **Programming Proficiency:** Java • Python • C • C++ • Git • Scheme • HTML&CSS • Javascript • Ruby on Rails • LaTeX.
- **Other Computing:** Android Studio • Unix/Linux • Visual Studio • SQL • C# • Node.js • Agile Software Development.
- **Other Interests:** Basketball • Drums • Debate • Design • Fashion • Technology.

Related Experience

Grinnell AppDev | Android Developer   *Grinnell, IA*
COMMUNITY BASED TEAM OF SOFTWARE DEVELOPERS WITH $150K+ FUNDING   *Aug. 2017 - Present*
- Engineered, designed and maintained 6 Android apps with 1000+ daily users, using Android Studio, utilizing java code.
- Modularized components into libraries to make code easily reusable and to benefit the Open Source community.
- Taught weekly classes in beginner level Android Development to 15+ student developers.

Capital Quant Solutions | Software Developer Intern   *New Delhi, India*
FINTECH STARTUP FOCUSED ON PROVIDING ANALYTICS FOR CAPITAL MARKETS   *Jun. 2018 - Aug. 2018*
- Built a training data set for ML algorithm that required sorting and categorizing large volumes of data.
- Developed a python program, using the twitter API in order to pull current tweets mentioning client organizations.
- Conceptualized and engineered a python ML algorithm to analyze unstructured data using multi-class classification.

Accenture | Software Developer Intern   *Gurgaon, India*
GLOBAL MANAGEMENT CONSULTING & PROFESSIONAL SERVICES FIRM   *May 2017- Aug. 2017*
- Developed an iOS application for client with the use of Visual Studio, utilizing C# code.
- Implemented Databases and an API to display client products as well as building a search feature for inventory.
- Worked with clients and other programmers to develop technical solutions to complex business problems.

Projects (On Github)

Heartland Global Health Consortium   *Jan. 2018- May 2018*
HEARTLAND WEBSITE
- Engineered a web application to help connect 12+ Iowa Colleges to increase awareness about global health issues.
- Created a forum to share consortium events using MVC Architecture in Rails Framework.

Object Oriented Programming, Data Structures & Algorithms
COURSEWORK
- **Sounds Of Sorting:** A sorting algorithm which visualizes six sorting algorithms with piano notes as indicators.
- **Grin-Compression:** Compresses files by utilizing a lossless compression algorithm, implemented by Huffman Trees.
- **Alife Simulation:** Visualizes the cooperation between bacteria by emulating real-life preconditions.

IMDB Reviews Binary Classification   *Sep. 2018- Nov. 2018*
ARTIFICIAL INTELLIGENCE
- Built a deep learning model using the keras library to predict if an IMDB movie review was positive or negative.
- Investigated hyperparameters such as number of epochs, learning rate and batch size to train the best model.

Leadership

South Asian Student Organization   *Grinnell, IA*
PRESIDENT   *Jan. 2017 - Present*
- Organized weekly discussions, events, fundraisers featuring South Asian heritage, culture, traditions and experiences.