Vivek Allu

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SUMMARY

Computer Software Engineering graduate student and a full stack programmer. Developed in-depth knowledge and interest towards data structures, algorithms, programming and web application development.

EDUCATIONAL

Master of Computer Software Engineering	Arizona State University	GPA: - 4.0/4.0	Expected: Dec '17
BTech in Electronics and Communication	IIIT Hyderabad	GPA: 6.7/10.0	May '11

INDUSTRIAL EXPOSURE

Application Developer at Dassault Systemes SolidWorks, Boston, Massachusetts   **May '17 – Aug '17**

- Developed standalone applications using C# for DraftSight, a 2D CAD product.

Application Developer at Global Analytics, Chennai, India   **May '11 – July '16**

- Developed web/mobile applications using Django, Android and Swift.

TECHNICAL SKILS

Languages	:	Python, Java, C#, JavaScript, CSS and HTML.
Databases	:	MySQL and PostgreSQL.
Operating Systems	:	Mac, Windows and Unix.
Tools/IDE	:	SVN,Git, Visual Studio, Eclipse, NetBeans, Pycharm, Vim
Computer Skills	:	Microsoft Word, Excel, PowerPoint, Outlook.

ACHIEVEMENTS

- I got an All India Rank of 907 (top 1 percentile out of 650,000 students) in AIEEE examination.[state rank of 191].
- Our Web app won the first prize in Hackathon event happened in IIIT Bangalore. Link
- Recognized as a shining star in Global Analytics multiple times.

PROJECTS

AUDIENCE MANAGEMENT PLATFORM

Role : Create an audience management platform using Skyhook's geo spatial data using python, pymongo api.
Tools Used : python, pymongo, django REST framework, mongodb, Javascript
Implementation: The data is parsed using django REST and written into mongodb clusters using pymongo api. This data is used to create customized APIs that takes search parameter from the user and returns target audience.
Integration: New audiences are integrated into the existing application and are uniquely identified by the audience IDs.
Testing: Django Unit test framework is used to write testcases for each method in all the Classes.

LENDING STREAM

Role : Build predictive models based on a huge customer dataset.
Tools Used : python, scikit-learn, matplotlib, seaborn, numpy, pandas
Implementation: The computed model generation code is written using python scikit learn
Integration: Integrated into the web application that makes the decision of approving/rejecting the loan applied by the customer.
Testing: Unit test cases are written for each module that is implemented. Regression testing of overall web application is done.

More Project details at http://www.vivekallu.com/#works