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Core Skills

PHP, Node.js, JavaScript/Angular, TensorFlow, Scikit-learn, jQuery, LAMP, HTML, CSS, Git, svn, RESTful services, Angular Material, FreeBSD, Ubuntu/UNIX Shell scripting, Socket programming, Jenkins CI, Travis CI, MySQL, Java, C, C++, AWS, Azure ML Studio, Weka, Android, Laravel, Python-Flask, Grunt, QUnit, JUnit, Leaflet.js/Openstreetmap, Bootstrap, Yeoman generator, Slush, Express.js, CodeIgniter, Zend, Jsduck, Drupal, Photoshop, Impress.js, Machine learning, JIRA/Agile/Scrum Development, Accessibility compliance

Experience

- **Research and Development - Gyros Protein Technologies**
Software Engineer March 2018 - Current
- **Department for University Advancement - California State University Northridge**
Software Developer September 2017 - March 2018
- **Department of Computer Science at California State University Northridge - Mobile Computing Group**
Graduate Research Assistant April 2017 - May 2017
- **Department for University Advancement - California State University Northridge**
Student Intern, Web Development September 2016 - May 2017
- **Wikimedia Foundation**
Software Engineer Intern December 2013 - April 2014
- **Fiskkit**
Software Engineer Intern May 2015 - August 2015
Software Engineer January 2016 - April 2016

Education

- **Bachelor of Technology in Computer Science and Engineering**
Cochin University of Science and Technology August 2009 - August 2013
- **Master of Science in Software Engineering**
California State University Northridge August 2015 - May 2017

Significant Projects

- **Peptide Synthesis Recommendation Engine**
Electron, Material UI, Python, TensorFlow 2.0, Laravel were used to build this AI model.
- **Legacy Software (Peptide Synthesizers) extension to comply with Code of Federal Regulations**
- **Wearable Computing Approach for Indoor Positioning**
A machine learning implementation to locate user within a preselected portion of a building using human activity recognition. Implemented for Android wear and mobile. Data processing was done on cloud.
- **Wearable Computing Approach for Indoor Positioning**
A machine learning implementation to detect heart rate anomalies from heart rate sensor data. Implemented for Android wear and mobile. Data processing was done on cloud.
- **Google Search Appliance and Drupal/WordPress Integration**
Improved CSUN website's search results by its integration with Google Search Appliance.
- **Fiskkit: Organization Accounts and Bug Fixes**
Strong skills in Angularjs, karma, grunt, git, laravel and mysql were required to do this project.
- **MediaWiki: Upload Wizard Openstreetmap Embedding**
The main goal of the Openstreetmap embedding project was to provide map interface & the integration with external databases to the UploadWizard (a mediawiki extension). Strong knowledge in JavaScript, jQuery, MediaWiki software, PHP, jsduck, Openstreetmap, leaflet.js and QUnit was needed to meet project goal.

Top Achievements

- Developer of the team which built one of the Top 5 apps out of 160 apps in Developer Week 2018 SF Bay, Hackathon - Nation's largest challenge driven hackathon.
- CSU Northridge, Nirmal Mishra Endowed Scholarship in Engineering & Computer Science 2016
- Finalist for Ford Media Democracy Fund Tech Exchange Fellowship Program with Berkman Klein Center for Internet & Society- Harvard University in 2016
- Hewlett Packard Helion OpenStack® scholarship recipient (1 among 4 global recipients) - October 2015
- Acceptance into GNOME FOSS Outreachy Round 7: December 2013 - March 2014 Internship at Wikimedia Foundation