

Mandeep Kaur

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SUMMARY

- Experienced software professional with extensive experience in back-end design and development of both relational and No-SQL databases.
- Well-versed with both waterfall and agile environments of software development.
- Hands on experience on machine learning libraries building 3-layer convolutional neural network.

EDUCATION

- **MS in Software Engineering**, San Jose State University, USA, **GPA: 3.54** **2016 – Dec 2017**
- **B. Tech in Computer Science**, Guru Gobind Singh Indraprastha Univ., India, **GPA: 3.94** **2011 - 2015**

TECHNICAL SKILLS

Programming Languages	Java, JavaScript, Python, PHP
Web Technologies	JSON, REST, XML, HTML5, CSS3
Libraries/Frameworks	Node.js, Spring, AngularJS, React Native, TensorFlow, NumPy
Database	MySQL, MongoDB, Oracle 10g
Cloud Technologies	IBM Bluemix, Google App Engine, AWS (EC2, ELB, S3), Heroku
Tools/Platforms/APIs	Eclipse, Git, OpenCV, Jira, Kanban, Firebase, Stripe

WORK EXPERIENCE

- Software Engineer Intern (Volunteer)**, GoLoad Inc (Node.js, Stripe, Firebase, React Native) **June 2017 - Present**
- Responsible for handling the back-end development of the payment module of the application.
 - Writing cloud functions to handle real-time data by triggering the events provided by firebase.
- Software Engineer Intern**, Toyota ITC, USA, Inc., Mountain View, CA (Python, Tensorflow) **Feb – May 2017**
- Developed benchmark model of a system with autonomous functionality using neural networks in Python.
 - Build convolutional neural network for classifying the dataset of 60,000 images into 62 different classes.
 - Used tensorflow library for image recognition and training with 92% accuracy.
- Web Application Intern**, Power System Operation Corporation Ltd (HTML/CSS, JavaScript, PHP) **June – Aug 2014**
- Developed a user-friendly by providing great navigational features, responsive design web application to handle department level complaints faced by employees.
 - Increased organizations' efficiency 10% by automating the manual work.

RELEVANT PROJECTS

- Events in the City, SJSU** (Node.js, MongoDB, MySQL, AWS EC2, HTML/CSS, AngularJS) **In Progress**
- Developing a web based portal to display technical and recreational events taking place in SF Bay Area.
 - Using various APIs like Meetup.com, Eventbrite.com to extract and display all the events on one platform.
- Integrated Disease Surveillance Program, SJSU** (Python, HTML/CSS, MongoDB, PhoneGap, AWS (EC2, ELB)) **Fall 2016**
- Developed a prediction engine to predict the chances of an outbreak of a contagious disease in an area.
 - Compared logistic regression output with different algorithms to have best accuracy i.e. 76%.
 - Worked on the database population and ETL (Extraction, Transformation and Loading) process.
- Face Recognition, SJSU** (Python, OpenCV, HTML/CSS, MySQL) **Spring 2016**
- Successfully developed a face detection app to identify the person from his image with 95% accuracy.
 - Used different databases for training and haar feature-based cascade classifier for face detection in OpenCV.
- Online Library Management System, SJSU** (Spring MVC, Google app Engine, Cloud Store, JavaScript) **Fall 2016**
- Successfully developed a web based application to manage various aspects of university library system.
 - Implemented various features like cataloging, search, circulation, and wait list of the books using Spring MVC.

PUBLICATION: [Operational Transformation in Co-operative Editing](#), IJSTR **Spring 2016**
Paper talked about various issues in collaborating documents and presented real-time solutions for the same.