

Mandeep Kaur

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SUMMARY: Software developer (New college grad) seeking full time opportunities starting February 2018.

- Extensive experience in back-end development and design using both relational and No-SQL databases.
- Well-versed with both waterfall and agile environments of software development.
- Experience building convolutional neural network and face recognition application using machine learning frameworks.

WORK EXPERIENCE

Software Engineer Intern, Pyze Inc, Redwood City, CA

Feb 2018 - Present

- Working on the Pyze backend platform and agent

Software Engineer Intern(Volunteer), GoLoad Inc (NodeJS, Stripe, Firebase, Cloud Functions)

June - Nov 2017

- Responsible for handling the **back-end development** of the payment module of the application using **Stripe API**.
- Worked on writing **cloud functions** to handle real-time data by triggering the events provided by firebase.
- Implemented user creation using **Firebase authentication** & sent the reset password email to complete the signup process.
- Developed a utility function to write data to Firebase database by reading data from Excel sheet.

Teaching Assistant, San Jose State University, San Jose, CA

Sept – Dec 2017

- Teaching assistant for **compiler design** under-graduate course & assisting professor in **grading** the papers and assignments.

Software Engineer Intern, Toyota ITC, USA, Inc., Mountain View, CA (Python, Tensorflow, Numpy)

Feb – May 2017

- Developed benchmark model of a system with autonomous functionality using **neural networks** in Python.
- Built a 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.
- Wrote the **CRUD operations** using the data generated in JSON file on **DocumentDB** hosted on Microsoft Azure Cloud.

Web Application Intern, Power System Operation Corporation Ltd (HTML/CSS, JavaScript, PHP)

June – Aug 2014

- Developed a user-friendly responsive web application to handle department level complaints faced by employees.
- Increased organizations' efficiency 10% by automating work of sorting & managing the issues reported by the employees.

TECHNICAL SKILLS

Programming(Front-end/Back-end)	Java, JavaScript, Python Flask, HTML5, CSS3
Libraries/Frameworks	Node.js, Spring, TensorFlow, NumPy
Database	MySQL, MongoDB, Firebase
Cloud Technologies	IBM Bluemix, Google App Engine, AWS (EC2, ELB, S3), Heroku, Cloud Functions
Others	REST, Git, OpenCV, Jira, Kanban, Stripe

RELEVANT PROJECTS

Events in the City, SJSU (Node.js, MongoDB, MySQL, AWS EC2, HTML/CSS, AngularJS)

Fall 2017

- Built a **web based portal** to display technical and recreational events taking place in SF Bay Area.
- Used various APIs like Meetup.com, Eventbrite.com to extract and display all the events on one platform.

Face Recognition (Personal Project) (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**.

EDUCATION

MS in Software Engineering, San Jose State University, USA, GPA: 3.57

2016 – Dec 2017

Coursework: Design Patterns, Cloud Technologies, Database Design, Enterprise Application Development, Business Intelligence Technologies, Large-scale Analytics, UML, Recommender Systems

B. Tech in Computer Science, Guru Gobind Singh Indraprastha Univ., New Delhi, India, GPA: 3.94

2011 - 2015

PUBLICATION: [Operational Transformation in CO-OPERATIVE Editing, IJSTR](#)

Spring 2016

- Cooperative Editing Systems in real-time allows a virtual team to view and edit a shared document at the same time.
- Paper discussed various issues and presented the real-time solution for providing a platform in collaborating documents.