AKASH BUDHOLIA

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EDUCATION

San Jose State University	San Jose, CA

M.S, Computer Science (Aug 2019 – May 2021)
Courses Taken: Algorithms, Artificial Intelligence, Cryptography

K.J Somaiya College of Engineering	Mumbai, India

B.E, Computer Engineering with 3.45/4.0 (Aug 2012 – Jun 2016)

WORK EXPERIENCE

Accenture Solutions Pvt. Ltd.	Mumbai, India

Software Engineer (Aug 2016 – Jun 2019)
- Applied Java OOP concepts to code and debug critical functionalities - Actuarial Calculations for Accenture's Life Insurance Platform
- Was involved with updates throughout SDLC, including analyzing business requirements, designing technical specifications, coding, performing peer code reviews, QA support and deployment
- Led Production Support team from India, performed impact analysis and troubleshoot issues prevalent in Production environment
- Deployed and maintained servlet based automation tool, minimizing need for manual insurance application creation and increases System testing efficiency

Teras New and Renewable Energies	Mumbai, India

Data Science Freelancer (Feb 2018 – Feb 2019)
- Involved with data pre-processing, analysis of data sets and determining metrics for machine learning models
- Improved efficiency of existing Machine Learning models, customized and implemented new models according to business requirement in Python in collaboration with Data Science team
- Communicated with clients to understand business metric and provided updates on deliverables

Reliance Infrastructure	Mumbai, India

Intern SAP-ABAP Programmer (July 2016-Aug 2016)
- Worked as a Trainee ABAP Programmer as a part of ABAP Development team
- Generated Classical and ALV Reports for the Ledger
- Developed outline of B2B (Business-to-Business) Billing using Smart Forms and Web Dynpro

Reliance Cement Company Pvt. Ltd.	Mumbai, India

Intern Java Programmer (Dec 2014–Jan 2015)
- Worked as a back-end Java Developer for Company's e-commerce Web application
- Deployed a Servlet to help Presentation Layer communicate to Data Source Layer
- Applied Java Programming Fundamentals and complex Data Structures along with knowledge of Design Patterns to integrate payment gateway with web applications

ACADEMIC PROJECTS

Face Detection and Recognition (Sep 2019 – Present)
- Currently Using PyTorch to implement Dual Shot Face Detector Algorithm for Face Detection and Recognition
- Working on the Wider Face Dataset for training the Convoluted Neural Network

Elsie Four Cipher Implementation (Sept 2019)
- Implemented a Low-tech cipher in Java and C in a group of two
- First group to solve challenge on MysteryTwisterC3.com

Mobile Field Engineer (Oct 2015 – Apr 2016)
- Incorporated feature on an Android App for Reliance Industries to save work status on Local SQLite Database and synchronize Data with ERP systems when network connectivity is available
- Added functionality to display real time generation data on app utilizing web services

COURSES AND CERTIFICATIONS/PUBLICATIONS

- Completed a classroom certification course – 'Business Analytics'
- Completed a hands-on course on 'Machine Learning with Python' with the Computer Society of India
- Pursuing an online course **Udemy** (Audited): 'Machine Learning A-Z: Hands-on R and Python in Data Science'
- Pursuing an online course **Udemy** (Audited): 'Apache Spark for Java Developers'
- Published a technical paper Mobile Field Engineer with International Journal for Computer Science (ISBN:2347- 2693)

SOFTWARE SKILLS

- **Programming Languages**: Java, Python, R, C, SAP-ABAP
- **Operating System:** Linux, Windows, BSD
- **Database**: Oracle Database 12c, Cassandra, MYSQL, Postgres
- **IDE**: Eclipse, Spyder, Juypter, R Studio, IntelliJ, Android Studio
- **Frameworks:** Apache Spark, Java Spring, PyTorch
- **Project Management Tools:** HP-ALM, IBM-RTC
- **UML Tools**: Star UML, IBM Rational Rose
- **Web Technologies**: HTML5, CSS3, JavaScript, PHP, jQuery