

## **PRANAV BHAKTA, E.I.T**

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### **OBJECTIVE**

To obtain entry level position in structural engineering

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### **EDUCATION AND CREDENTIALS**

**University of Southern California, Los Angeles, CA**  
Master of Science in Structural Engineering

**September 2009 – April 2011**  
GPA: 3.10- In Progress (4.0 scale)

**California State Polytechnic University, Pomona, CA**  
Bachelor of Science in Civil Engineering

**September 2005 – December 2008**  
GPA: 3.31 (4.0 scale)

**Engineer-In-Training**  
Certification Number: 130208

**January 25<sup>th</sup>, 2008**

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### **QUALIFICATIONS**

- **Software:** Microsoft Office (Excel, PowerPoint, Word), Micro station & Inroads, AutoCAD, RISA - 2D & 3D, SAP 2000, E-TABS, ENERCALC, RAM Structures, SAFE, MathCAD & MATLAB.
  - **Codes and Standards:** ASCE 7, ACI 318, AISC, IBC.
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### **PROFESSIONAL EXPERIENCE**

#### **PARSONS CORPORATION**

**Jan 2009 – December 2010**

Project: LES, National Enrichment Facility, Lea County, New Mexico  
SBM 1001 Expansion Building

- Performed static and linear dynamic analysis of steel tower using SAP2000
- Prepared calculation for base plate & anchors, beams, columns, vertical braces and masonry wall.
- Performed mat foundation analysis using SAFE per ACI 349-01 & ACI 318-02
- Developed details for welds and bolted connections per AISC N-690 & AISC ASD 9<sup>th</sup> Edition

SBM 1003 Building

- Analyzed slab-on-grade using SAFE for supporting critical equipment
- Developed sections & details for the slab-on-grade per ACI 349-01 & ACI 318-02
- Performed analysis and design for post-installed anchor bolts requirement for critical valve frames
- Designed and developed details for Seismic "II/I" metal stud walls
- Assisted in checking of plans and calculations per project procedures
- Performed day to day assigned project support tasks such as developing spreadsheets to manage drawings, calculations, specifications, and material take-off.

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Reference for Design, Analysis & developing blue prints for SBM 1001 Expansion & SBM 1003:  
ASME NQA-1-1994, Quality Assurance Requirements for Nuclear Facility Applications

Project: Disney

- Performed calculation to determine required size of expansion anchors for a storage container containing hazardous paint material. IBC 2006 & ASCE 7-05 codes were used to determine the seismic load.

Project: Lockheed Martin Facility Expansion for F-35 Production, Palmdale, CA

- Performed design and analysis of spread footing, slab-on-grade using SAFE and meeting requirements for ACI 318-05, ASCE7-05, IBC 2006, & CBC 2007

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## **PROFESSIONAL ACTIVITIES**

Active Young Member:

- American Society of Civil Engineers (ASCE), Young Member
- Structural Engineering Association of Southern California (SEAOC)
- Earthquake Engineering Research Institute (EERI)
- American Concrete Institute (ACI)
- American Institute of Steel Construction (AISC)