

ANSHUL JAIN

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Education:

Masters of Science (Computer Science) from University of Southern California, Los Angeles, USA, 2008, GPA:3.5/4.0

Bachelor of Engineering (Information Technology) from Institute of Engineering & Technology, DAVV, Indore, MP, 2006

PROFESSIONAL EXPERIENCE

Currently working as Business Analyst, **Teerthanker Mahaveer University** (July 2020 - Current)

Technology: ERP Software (**Microsoft Dynamics Navision 2013 R2, 2016**), SQL Server, .Net framework

- **ERP Implementation:** Successfully led end-to-end implementation of a comprehensive ERP system across academic and administrative units of TMU. The system was dormant at the time of my joining in July 2020 and I led the team to implement and improve the system across TMU by providing the right solutions to the user requirements.
- **Digital Transformation Leadership:** Spearheaded the university's digital transformation by integrating academic, financial, HR, and student services into a single unified platform.
- **Policy & Governance Establishment:** Developed governance frameworks and ERP usage policies to ensure compliance, data integrity, and efficient system use across departments. Different departments had large gaps that were addressed to ensure the process runs smoothly ensuring data integrity.
- **Workflow Automation:** Automated key academic and administrative workflows (e.g., admissions, grading, payroll, procurement), resulting in reduction in processing time.
- **Paperless Campus Initiatives:** Reduced paperwork through implementation of electronic document management within the ERP.

Technical Enhancements

- **System Integration:** Integrated the ERP with third-party systems (library systems, payment gateways, biometric attendance), ensuring seamless data flow.
- **Custom Module Development:** Designed and deployed custom modules tailored to university needs such as Alumni Management, Hostel Allocation, or Accreditation related Data Reporting.
- **Security and Backups:** Implemented robust user access controls, audit logs, backup and security protocols.
- **Stakeholder Engagement & Training**
- **Cross-Department Collaboration:** Fostered collaboration between IT, finance, HR, and academic departments to ensure alignment and system adoption.
- **User Training & Support:** Conducted training programs for 500+ staff, faculty, and students to increase ERP usage efficiency and reduce support queries.
- **Helpdesk Implementation:** Set up ERP support desk/help center achieving increase in user satisfaction.

Results & Impact

- **Operational Efficiency Gains:** Achieved reduction in administrative overhead and improved productivity across departments.
- **Improved Student Experience:** Enhanced student services via self-service portals, real-time grade access, online fee payment, and digital certificates/transcripts.
- **Audit & Accreditation Readiness:** Streamlined audit and accreditation processes through centralized data and automated reporting.

Software Engineer, Haripriya Technosoft Pvt. Ltd., Mumbai (April 2015 - Feb 2020) Technology: Nodejs, Javascript, React, Mongoose, Java 1.8

- Developed the backend module for User Management for an application based in Java and Oracle helping customers in finance related operations.
- Upgraded user interface (**React**) for development of bar and charts using financial data for the in house software.
- Worked on internal developer tools, test infrastructure, deployment tools. PHP, Mysql, PHPUnit, Maven, Android Studio, IntelliJ Idea.
- Created Online Time Table Scheduler for the Faculties to create, view and edit timetable.
- Developed Specialized Online Test Module to enhance Teaching Methods for Better Learning.
- Developed Customized Assignment module for submission of Daily Practice sheets, Content Development, Framing New Innovative Questions.
- Developed an online messaging system for Business Development and Students Admission Conversion.
- Developed a Student Module for students to view their Time Table, Attendance and Results.

Freelance Software Engineer at Siddhanam Ventures & Co., Indore, India (April 2010-2015)

- Implemented and Managed Technical Department that integrated various departments with In-house ERP software using Java and Oracle database.
- Responsible for transition from manual entries at various departments in the organization to software driven processes for reduction of administration cost and faster execution of Batch Management, Efficient Cost Identification, Vendor Payments and Salaries, Inventory Management and Dispatch processing.

Software Engineer, Collection Solutions Software, Inc. Woodland Hills, CA, USA (Feb 2009 - Apr 2010)

- Designed a "VoIP" solution in Java and integrated it with "Java Web Start" Application for collection agencies. The solution helped in saving revenue through integrated VoIP phones.
- Modified an Automated Dialer using "SOAP, EJB, Java Swing" to make calls to debtor using Access Web Service.
- Created a wizard driven interface in Java Swing. The interface was used for feeding in new debt related information. This feature enabled better data capturing mechanism and helped in enhancing product revenue.
- Implemented an automated letter processing mechanism to process batch of letters using debtor data in database using EJB, Swing. Added value to the collection agencies daily business by saving time in letter processing.
- Implemented modules in JGo Diagram for implementing complex workflows with easy visual drag and drop GUI.
- Developed modules for creating Credit Reports and integrated it with present Java Application.
- Implemented routines to send reports and files as attachments in email using JavaMail APL
- Created a CSV and Excel file importer in Java Swing for importing large company data in database.
- Implemented a SCM system using Subversion and Apache on Windows Server 2003.

PHP/MySQL Developer

ExploreTalent.com, Sherman Oaks, CA, USA (Jan 2009 - Feb 2009)

- Implemented an online Project Management Software in PHP/MySQL to track progress of various projects assigned to different team members.
- Prepared in PHP/MySQL and Joomla Community builder towards implementing modules and components for usability enhancement of Modeling.net and adding value by better user experience.

Java Developer Intern

ECM Lab USA Inc., OnSite Client: ICAT, Boulder, CO-USA (May 2008 - December 2008)

- Added value by enhancing performance of Documentum ECM at ICAT which is a catastrophe insurance provider.
- Conducted requirement gathering, documentation and deliverables using UML for various phases of SDLC, contributed in design and implementation of J2EE based IRMA Application, used by Inspection department.
- The system, managed documents, its storage on SAN and regular updates to Documentum, the enterprise content management system. The application receives Data Center requests and interacted with Documentum repository.

Application Developer

Information Sciences Institute, USC (Feb 2007 - Oct 2007)

- Developed a tool - Sense Merge Editor, which created "Sense Pools", which is an ontological collection of words using SVN repositories to store sense pools, and had a user interface in Java. Integrated it with ISI's Omega ontology system. The tool was used by Linguists for enhancement of existing ontology.

ACADEMIC PROJECTS

Spam Filtering (Spring 2008) Technology: Java

- Conducted analysis of Google and Yahoo Spam filters, implemented algorithm to extract text from image based spam using OCR libraries, and determine through tf/idf algorithm, to determine if an email is spam.
- Implemented web service client using AJAX and Google APIs to use the web service provided by Ignyte.com. Web service supported fetching real-time theaters and movie information to be displayed on Google Maps.

Geographic Information System -GIS (Spring 2007) Technology:Java, Oracle 10g

- Developed a GIS system, using a spatial database and Java (for GUI) to query & access data. The user could track, the coordinates of various objects and people on a Map, using spatially indexing and range queries.

TECHNOLOGY SKILLS:

Web Technologies: HTML, JavaScript, Nodejs, EJS, React, Ajax, REST API, GraphQL

Programming Languages: Java, C, Perl, .Net

Servers: IIS Server, Nodejs, Apache, IBM Websphere, JBoss

Databases Technologies: SOL Server, Oracle, My SQL, MongoDB, MS Access

Operating System: Windows Server

Tools: Visual Studio Code, Eclipse, IntelliJ, Report Builder

Languages: Proficient in English